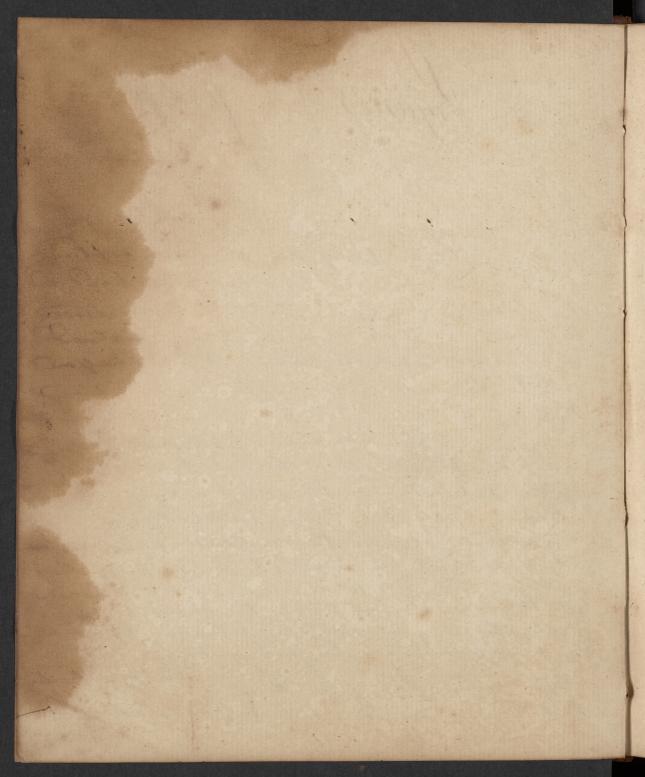


75 Cb 7 75 cents

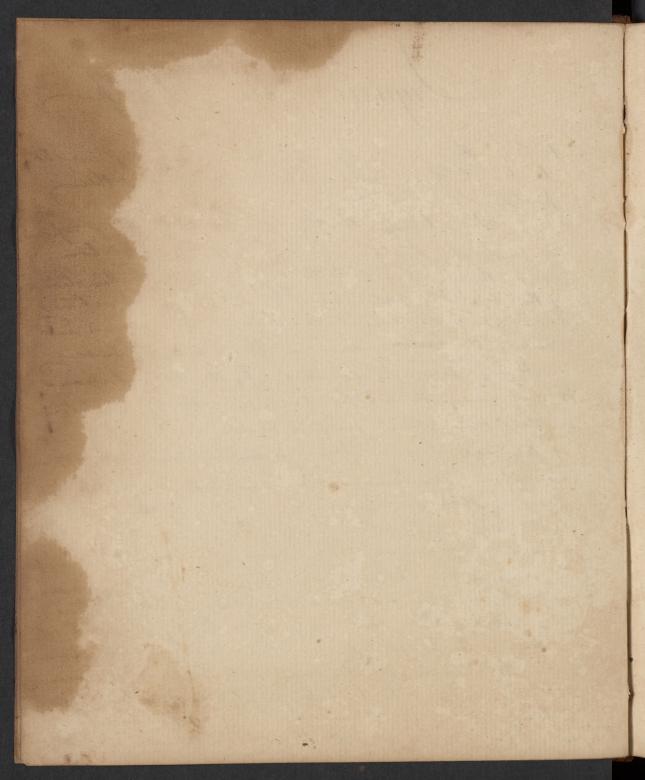
3/1/4 153/2-1/2 621/2 2 que 5 100 50 m 2 quais - 800



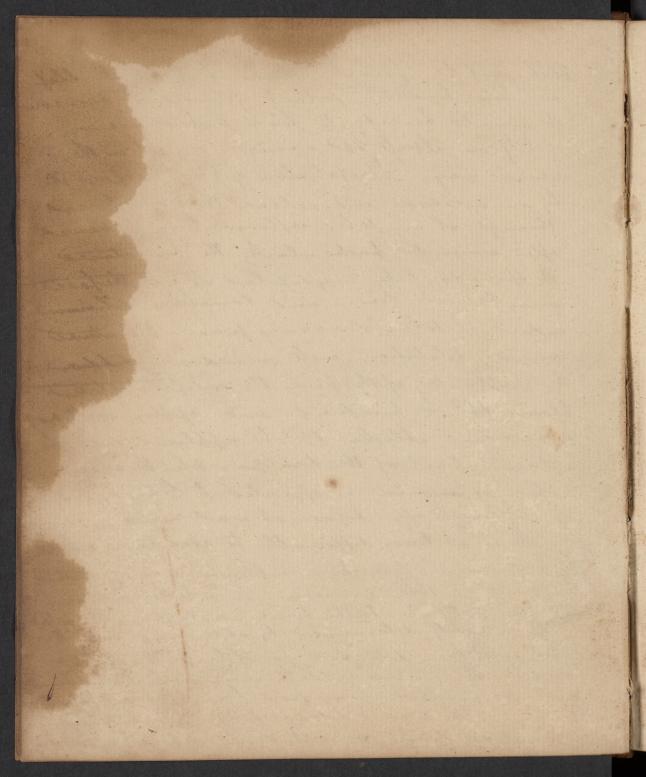
Injuries of the Joseph When contutions are received from blows by an abtente body the hart feels Lopland happy, the surrounding edges are hard, and The accident appears to an inexperienced Surgeon at if the comme wees partice and prefed whom the brain Aroung Lugare would be inclined to make an incision through the continued hart and lay bare the cranima. This however the never be done unless symptoms of compressed brain exist at the putient would Luffer unnecessarily the pain of an operation, perhaps expoliation of the time opposite the contribed part a longer confinement total ando a tedians Suplumating Sore I for these readout their our incession the never be made in the scalp unless Symptoms of combresped brain are bredent Endeavour to prevent influmnation of he brain by VI. low diet and the applicating by cold water to the Head on The Scalp's leable to all the different wounds



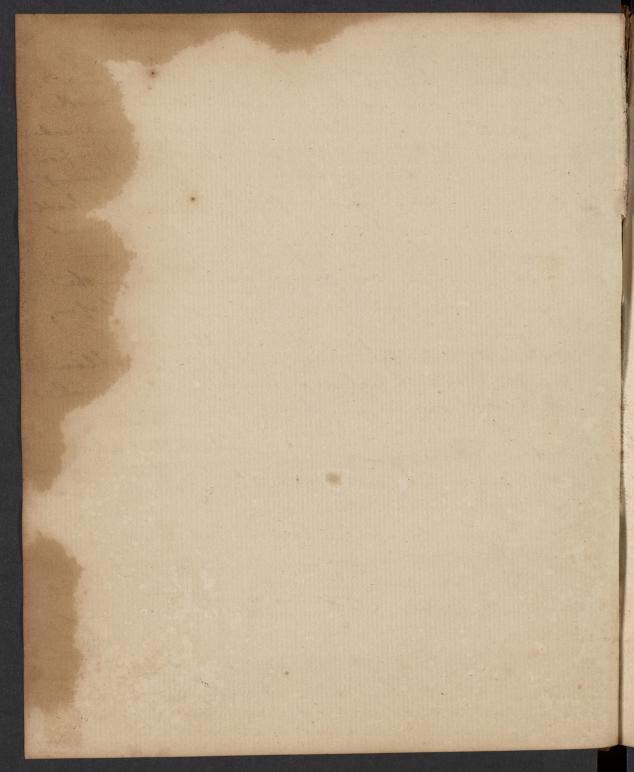
Injuries of the Tealp be treated as energed wounds of after parts to be de de Sometimes the Scalp is much tour four the but of covered - Inthing Been it tous from the forehead to the acceput in the direction of the Safettal futures. The health is Sometimes tom four the barietal bones, falls down and cover the tous ear on the side of the face It was formerly advised by the older surpours to cut away the whole portion of the Scalp to love as they thought it would broduce expoliation of the bone of. Their intention was also to herent a confinement of matter, this tractice is very absurds. You are to clean Wascall of means of a shariff and warm water, replace it in its hoher situation and keepit to by meany of Lutines and adhedine blaitlin. When Lutines are used they the not be close in contact as they will broduce inflammation, delirium and other alarming bumptoms, Ihave known the circulation to be interrupted and plaushing moduced. The dutines shis he approximated 1/4 of an inch and the knot the not be finity



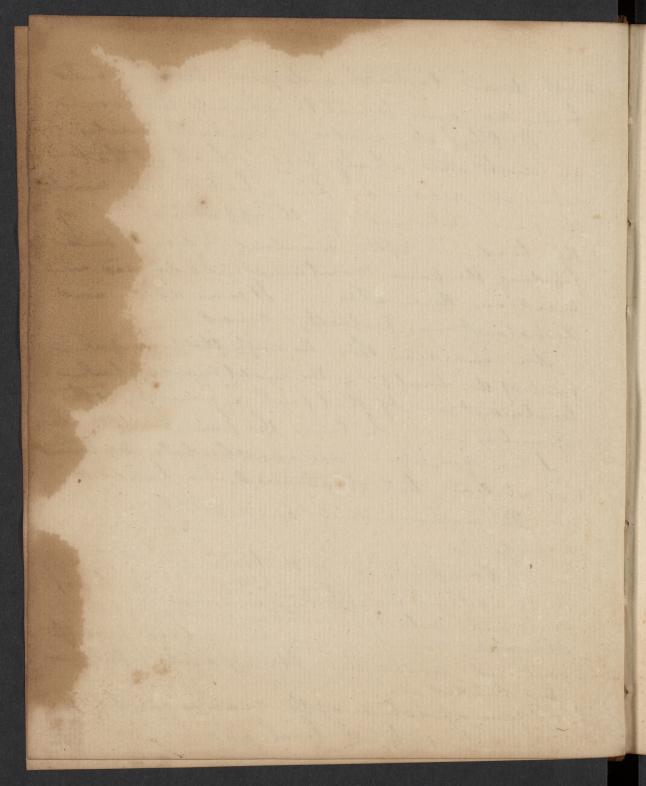
Ahr. not be firmly tied , but the he dlip or how knots forthat oftention the come on It would be eaty to looke the knots. e If an alseef the accur open it in the usuals way. If expoliation of home expose it by an incition and extract the loose pieces through it a when inflammation accurate after wounds particularly the punctioned A threads like eighthelas allover the face army to - From und tometimes delisium entred when it occurs from a hundred wound, delatation well immediately bublice the rimptoms; of this fail the antipulafille blan the bushed and ofthis will not tucceed ablisher the be applied over the inflamed hart of the Lealp. When the aponen rote expansion is effected Drf. has knowing it to slough off before it was cured It is at times difficult to ascertain whether the delivine arise from inflammation within or without the cravium or whether from disease exterior to the boul or suppuration into This is eatily determined by abserving the State of the exterior disease, for if large it is quite sufficient totroduce delirium whicheoutedeeding will prevent the surfeau from laving hare or her forating The bone The second disease from contustions and contaked wounds of the seal is formedable



on account of the extreme have and distrets Noceations and how its very long continuance. The hart receiving the injury is affected with very great hain; A cake of this land came under my care [L. D. P.) in a lady who rec? a blaw pour a window falling onherhead in On Shaving off the hair there was no swelling and not the least apheniance of disease. An incidian was advised to which the hateut consensed Acrocal incirian was made on the pariful past which gave immediate relief Nothing is to effectual -A lady who fell from a fil received ablan on her head which accasioned a continual distriping hain , - Bank opin, artenie Blusters, low dech, mercury and purfins were tried without effect in The crucial incision was performed and Relieved her for one houth Hor him, then returned i the wound way kapt open by applying hart between the cases and by canthuride - The portion of healt an which the fell was dethoried by caustie but without effect At length the was adouted be for into the country whence the returned herfactly gured in Dif has beformed the enersean in our call without benefit. Amon wholy falley from adeaffold had received a contract wound of the tealp , was affectionable.



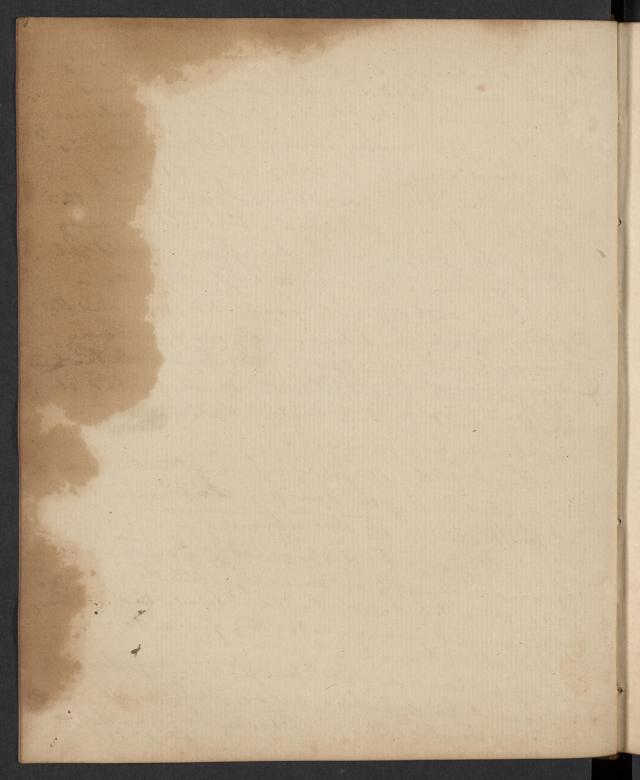
with pain to tuck a defree that he could bear no one towall acrap the row Dr Phrice mude a cureial incidion? an inch and ahaly long which at that moment relieved him, but in afew minutes the hair returned in the opposite part of the bead . after weeding 2 days and finding the hair continue Sadurted and meision there also _ Il was done and the hateut was herbeetly cived -An incircar then through the beingal part of the dealt is the most succeptul treatment - If that fail a journey tother country ~ In times the pains will ceated; A sea vouche removed d'orbite le patient was at sea but it returned on landing, The newbasedent produced by contused wounds is The Sumptom are Station Drowsines, lapof Source and voluntary motion, Sickness at the Stomack, vomiting and homorrhage from the two cantes on 1. From apacture of the cranium deprete below its natural level and pressing on



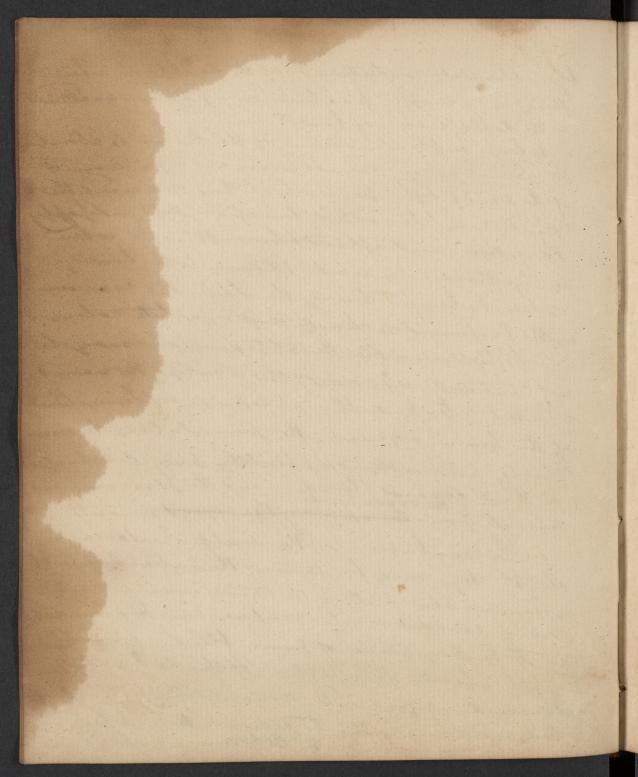
the Dura Mater and Brain 2. It may be occasioned by an effection of blood from the ruthered repell inthe violence done tothe head in A then occurs between the cranium and Dura Mater or between the Dura and Pratules in the Substance or in the bentricles of the brains when these affections occur from effusions of bloods from ruptured repelo, there Symptoms soldow directly occur These two causes are often combined. A boy received a wound in the bareheald Ou examining the wounds I found the bone pactured and not only to but actually driven in and preffing whom the Dura meter. Ac was able to sit in a chair and tell us that he received the blow from astone being thrown acrofs the Street. Immediately after be hadfinished his relation he fell and evan leired with the symptoms of compressed having mir Stertorous respiration, loss of sentes voluntum, motion to ten minutes had elabled from the time he received the injury Till these Lymptons came our -Now it could not have arisen from the defression of bowers It must have been cantell

the longitudinal simus are in some instances mattended by Symptons of comprassiones the strategy at the strategy and instances

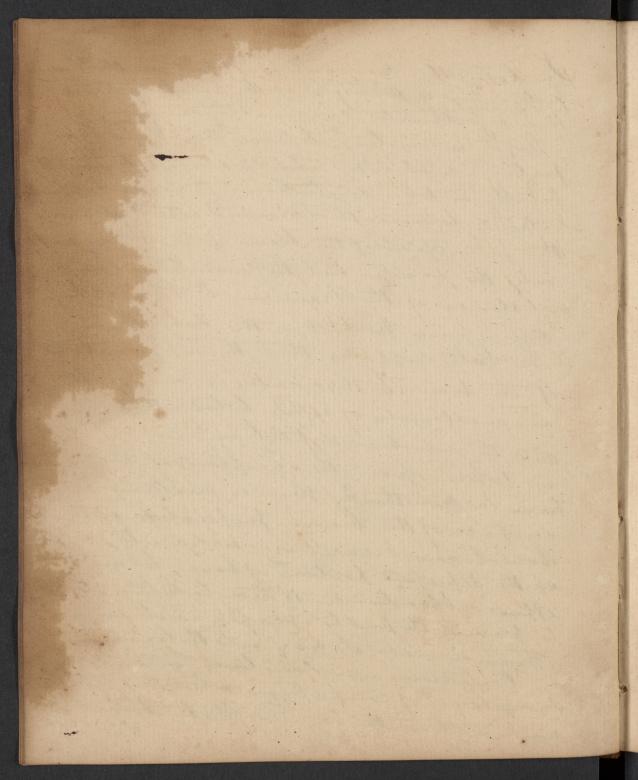
by the offerior of bloods from repels suptemed at the moment of the accident of the blood being hamed but slowly produced this interval The cranium is sometimes pactured and The bone deficessed while no symptoms of Compressed brain exist a Jones saw the portal bone to pressed that hard eads tolays the funger in the depression on and tel There was an absence of these symptoms It is with difficulty accounted for, and the difficulty can be tolved only in one way If and that is by Supposing the bone lobe be atomic prefed on the Dura Maker Whated graphous must have been produced. The third species of injury attending wounds or contusions of the scalp is deflammation of the Brain or is Membranes -It may be distinguished from compression by never coming on directly after the injury; Eight or ten dans clapse before the Sympton, appear and in one case they did not occur until the 6th week -Tymptoms - Nexternel, want of Sleep a pequent hard pulser, regors delirium, coma and convulsions on Mmay be canted



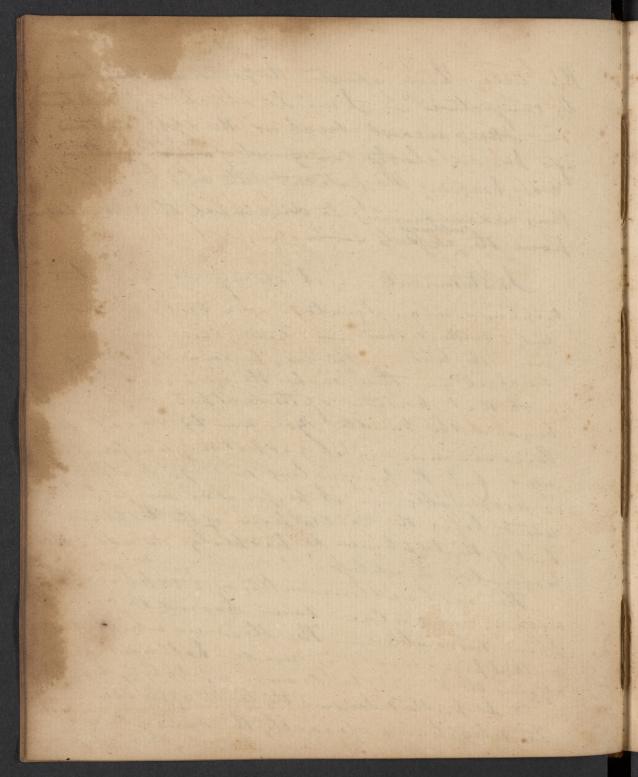
by simple contestion of the scalp or where there is a simple pacture or a pacture unattender with depression of bone - when is about to come on in contequence of a would of the sculp, the hast which has becould the Conturion becomes tunefied, toll and pappy as if there was affered beneath and when an incision is made down to the bone, Lo as tolar, it base, the demuted cranium will be founds change o to a white colour However well the abbearance may be in contribet wounds of the scall, the wound crases tolook well as soon as inflammation. of the brain occurs, the granulations become flubby and instead of healthy hus discharge a thin terrous fluid and the periceanium separates from the edge of the wound On contusion, of the scalp however elight they may be warn the hateent against inflamination within the craviour and forbid vercise and confine him to aloundiety The complain of hair bleed hunge and apply ablister to the part - If this the not Asucceed riford and convulsion, willendue, Toprevent or rather to remove these it becomes necessary to perforate thetone with atrophine,



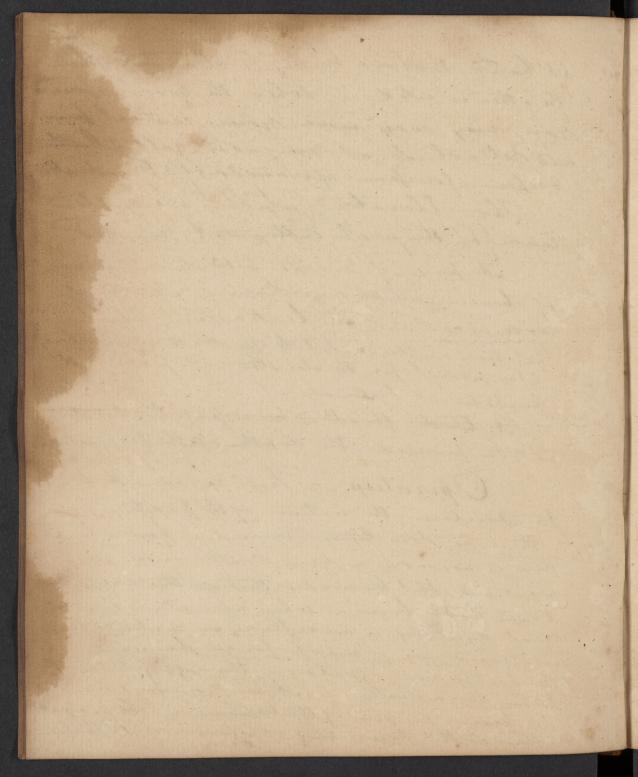
In doing this you will find hus on the Dura mater and if the whole of the line be exterior it is a fortunate concumitance and Pia mater duch cases almost always terminate fatally - When contentions produce Public - ration between the Dura and Pichester the first effect of the blow is to injure not only the bealf but the mentiones and Substance of the Brain - DrPhysick differs from harfalt on this Subjection In fatt Lubboses that the inflammation of the brain in these cases is aming to an anastomotis of refels between the tealf and the membranes of thetrains When from the Symptoms of compressed hair to youthink there is matter on the surface of the brain perforation of the boul becomes necessary in order to raise up the defressed portion of home, let out the effected blood or if there be Supportion to permit the pusto excape, as it may Therwise make it way into the brain Contutions are formelines followed by truptours of compression when there is no mark to their the injured shot. It has in



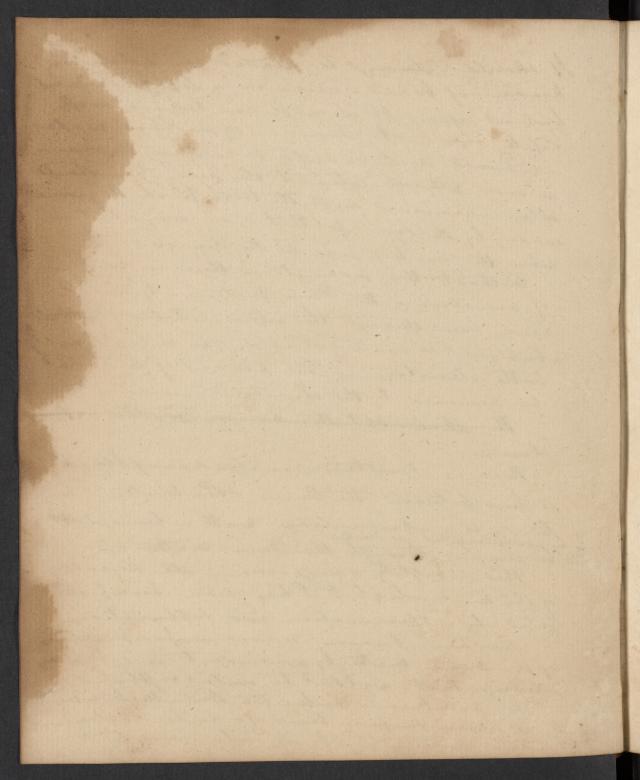
This case been advised to perforate the hour by conjecture and would much rather defend on other means tuck as the application of bee or clothes rung out of water water Thus endeavouring to diminish the homorhage from the negles Instruments a A strong scalpel, two trephines an elevator a tooth pick. and MrHey's saw - First shave the hair from the head - this may be done by astrong scalpel - Then make the incision and with that hortion of the scalhel which projects beyond the handles, you are to see ape the Perieranium. A rashatory was formerly used but the projecting and of a sealfel! is preferable. A perforation was formerly used lafix the central pin of the betimes but if the treptime he brokerly made the The next instrument is a Trephine with a cercular faw having the central fin moveable - The stew in which the central fin mores is made hollow and allows the him tobe drown whitoway height or to be publicd beyond the teeth of the saw Two treptimes of exactly the same sere Should be



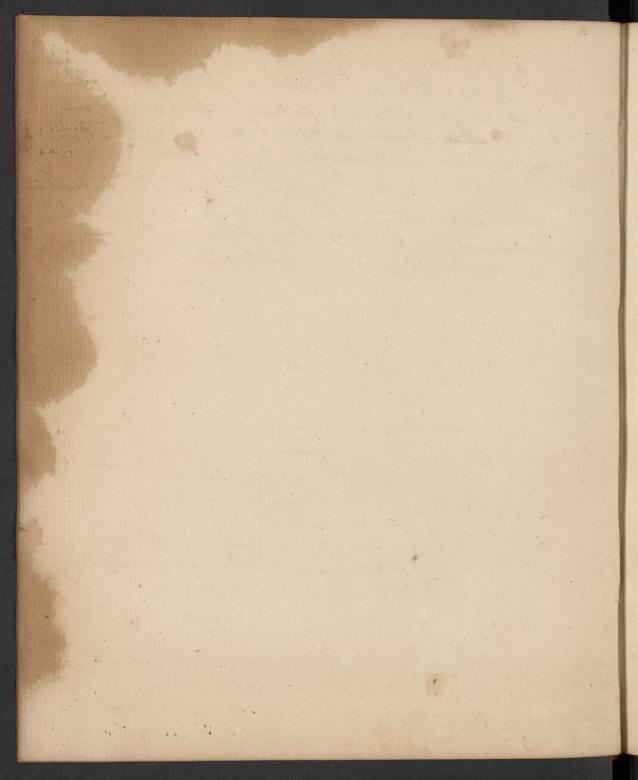
at hand that one may be cleanted while the other is used. When the groome sooned You may may more your central fin and retract it as soon as it gets a little Doeper for fear of wounders the DuraMater. The Elevator which a simple lever is the next instrument tounted? A pair of foreches to pull out pieces of home which some dingeous who is of notervice on The lenticular which has been empleyed totate of thousedges of bone is as useless for the elevator will autwenthe A toothy frick is necessary toutestain as row brossed the debther of the perforation. Operation ~ first repode the bown to ascertain the nature of the pactice and There is bornetimes a count, but when there is now or a very small ones are incision the be made through the tealh down to the bow when apacture exists great caution is mecefrany in making this, mediand, for if much force be used the knife may go down throughthe presents to the DuraMater - After you have decided the bone the him of the trephine is to be projected beyond the saw and screwed in that situation,



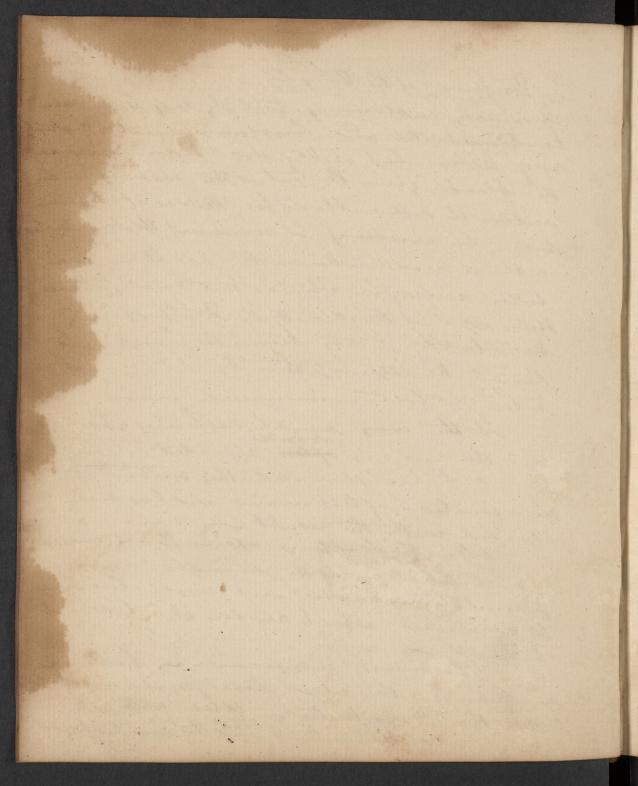
It should always be placed on a bold my firece of bone - never on a define the definent but as near to it as it can befined with Safety As doon as you have made agrooved dech enough to contine the saw in one places retract the pine. You Should often examine with the tooth hick the grooved made by the saw to that is, an may afectain when the saw has perforated the councin to without this precaution there is danger of buncturing the Dura water you the wever saw through the internal table of the skull but just so as to get at it, for it yields early to the elevator. The pieces of bone the be removed by the elevator The skall the the be ranted to it returned There is bornetimes an effection of blood or hour between the Dura I Scalarater in This case abertaration with a luncel to be made through the Dura mater of this is highly daugerous _ all the case, of this bound which Dif has been have hoved fatat by inflammation and Inthuration. loe have known recoveries pour functions of the Dura mater by a sident and italheary Strange that and still be untuccefful its upher turbace being of a dinker comlow than natural o by its feeling very tente



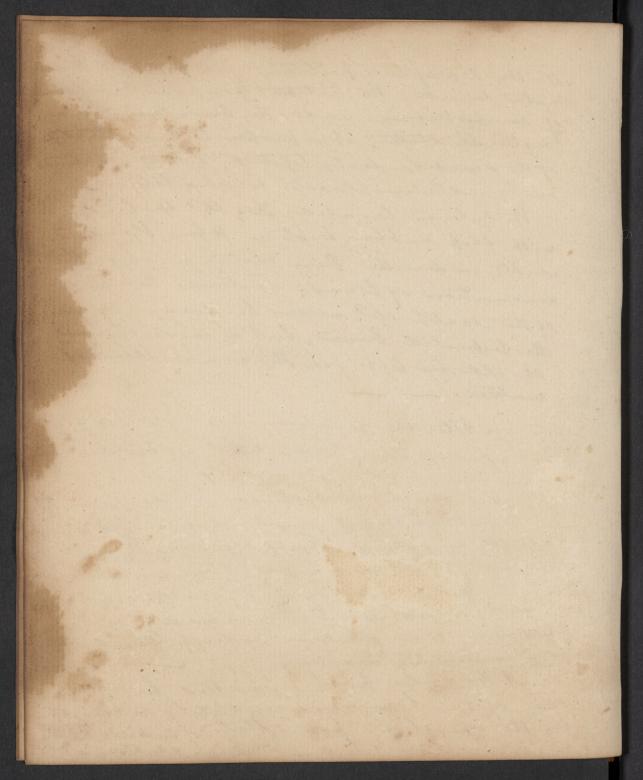
of soft and flabley, by its brekenling a course instead of a blave Ferbaces and by the absence of its usual atternate resung and falling -Dutte health it wises devine expiration and full with inspiration -It is often broken to delay the herforation for absorbition has in some intlunce beau produced by 923. and Cold applications morten dans a



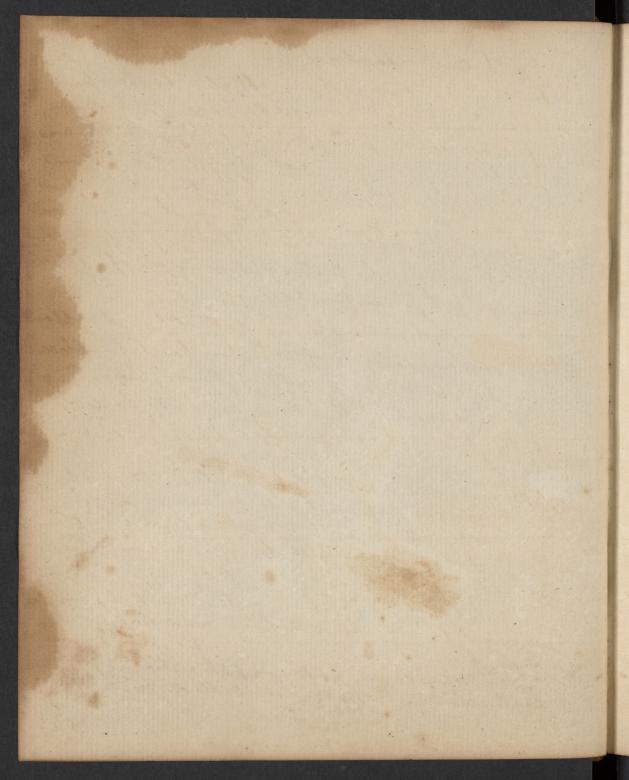
Dreffing of the thound It is very customary toubbly dry link over the Dunatuater and Priceanium il à Certains very light but I has one inconvenieus The blood glews the list to the wound and renders it difficult to be removed whenever I may be necessary to examine the Durahiates. Asoft bread and milk haulter so better dreping - It was cuttomary toleans the edges of the divided sealp open; but lately of has been the hincities to draw the edges together by sutine, as when the bone is iningined -It this way much Suffering ; herealed and the cure is often effected, con grof has often und this method after The operation of trepaining and has been pleased with the result When the Scalp is apen there is danger of an explication of the demided cranium granulations arise and much have time to cicative which renders it a tedious butiness an There are inconvenience, however in drawing the edger close for it's impossible tode the Dura Mater or lake after the operation of the having and the elevation of



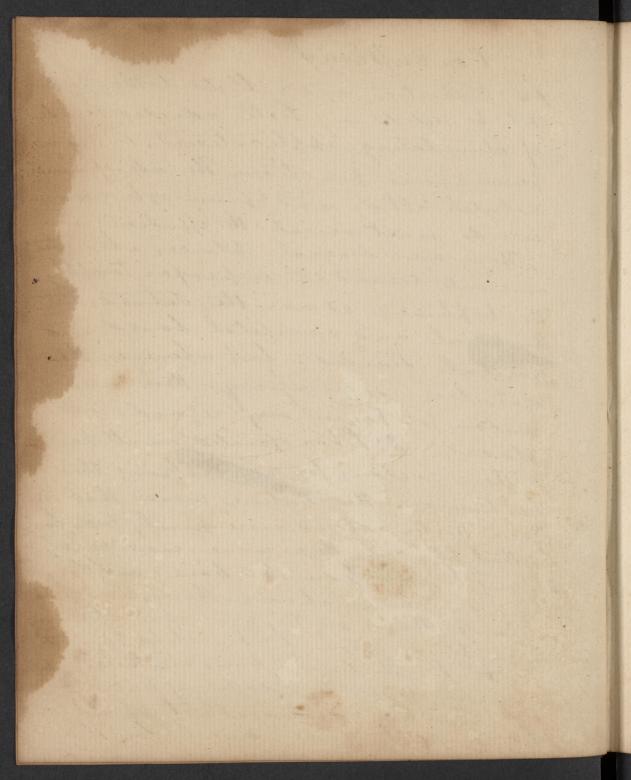
all the detreped portrous we find the Duna mater downd, the trateast free from Bymplane, of combiepion, and the Imaluater in a I natural states, it is broken to draw the edge of the divided scalp together, either by Lutines or by adherine plaister which is better to If sutines he when they the be tied with slip or how knot on when blands exists under the Dura water or when the evacuation of blood continues the edges of the sealt the never be drawn one the perforated bone, but a wide opening should be left for the evacuation of maller -After the oberaleon it is needlary to hay great allentean lathepateent as Enflammalian of the Brain Lometines comes and -He should be confined to a duck chamber _ hertest with and very low diet should be shortly enjoined. Thould bever come and. the mast caleaus bleeding the be used - hashing requires the use of the luncet to agreater extent as Drf. has bled 4 or 5 times in aneday When theres is an offention under the Dinalhaler vs. is particularly necessary -A boy who from a practine had alcheefsion of the bone was completely recovered by the operation: from attate of intentibility he was restored



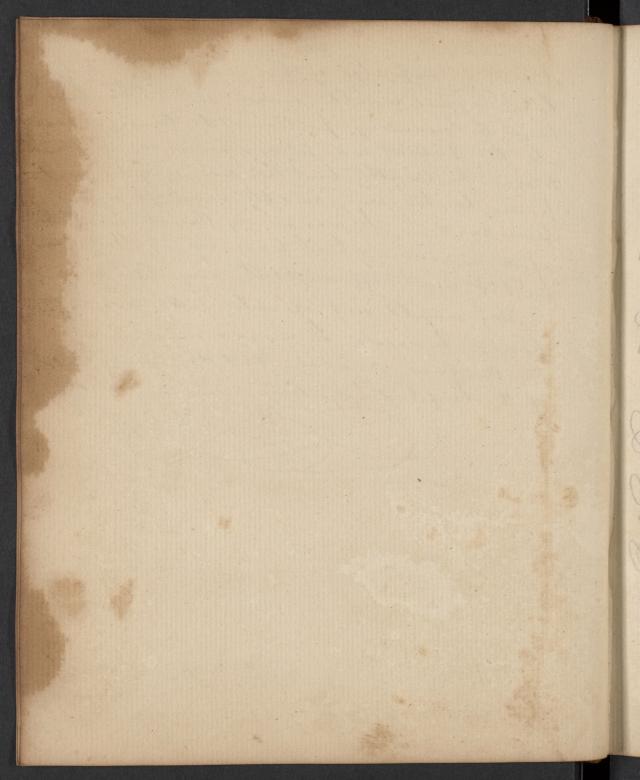
to his perfect sender and continued to for more than two mouths; after this time febrile symptoms occurred, him delir inn a tende hard fulle. The Dura Maler was elevated into a conical form at the bottom of the perforation, to much to that the appear and middle surface of that membrane was an a level with the external table of the skull It has somewhat the abhemance of a reside producedby canthurides From these Symptoms Doctor Phy sick Supposed that inflammation of the brain had taken place and by the remedies gull mentioned the welling was reduced the sinface at the bottom of the perforation receded to aplane, and the log recovered This case is related by Doclar Physick with a view of contioning young Sugeons a gainst letting out the effused fluid A blister over the head is an exectlent Remedy -Doctor Shy sick mentioned that violence was sometimes done to the head and the functions of the brain disordered where there was no mark to fuide us in the application of the teptime white are called boulufions,

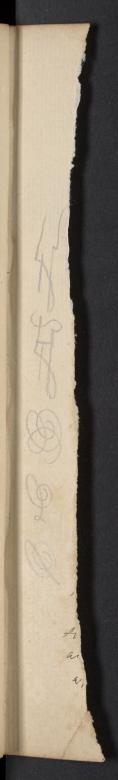


Concussions OS. Casharties and a blister to the hart shid be used - Bell advises the use of Stimulating applications, this is a herricians practice. The use of wine volutile alkali and opinm as he recom-- mends must increase the effution -There are several blaces where the ancients deemed it improper touthly the trepline as over the Sulmes, the temperal and accidetal bould and portal similes is but whenever the operation is necessary there is no reaton for having any refund to the place - grf. has operated on all herty. Their reatons for metaling the Trepline over the Future, were that the Dura mater adhered more printy to the bow in that place there were work welled, hafting town from the bone and they feare inflammation There was all so a large sinus and they were apaid of opening louse bloodnessels - griphy rick has opening over the longitudinal sinus and the homonlage wer early Stopped by a doffil of lints They avoided, operating on the temporal home her avoice the temperal untile lay there



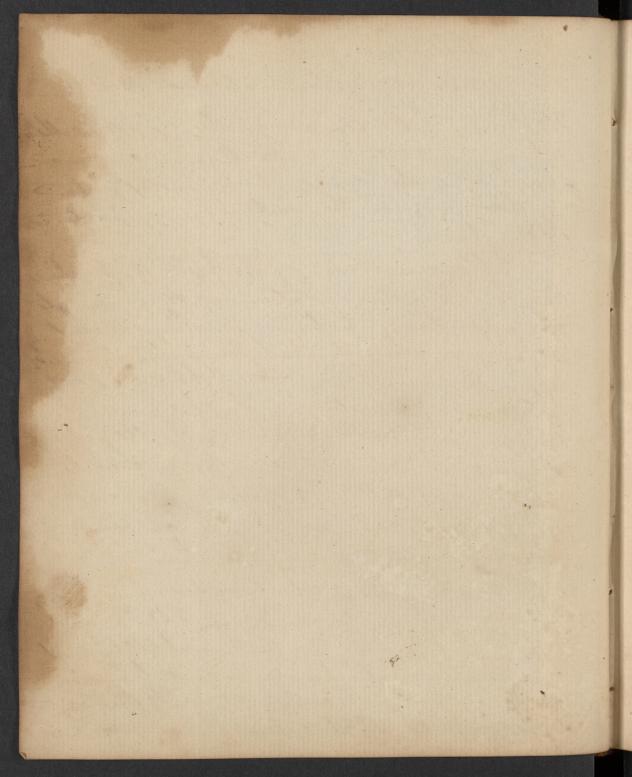
and they expected of that wer wounded locked jaw would ender Dr. Phas his bare the I guarnous portion of the Cemperal hour and the futient was in consermines unable tooken his month, but this was very different pour locked jan and its went off in a few days It was suerely the inflamed thates of the muscle which prevented its clarifation and it went off without any applications. They would not spenal on the occipitate bones because it was to merce and for the Lame reatons that they were apaid of the longitudinal times -



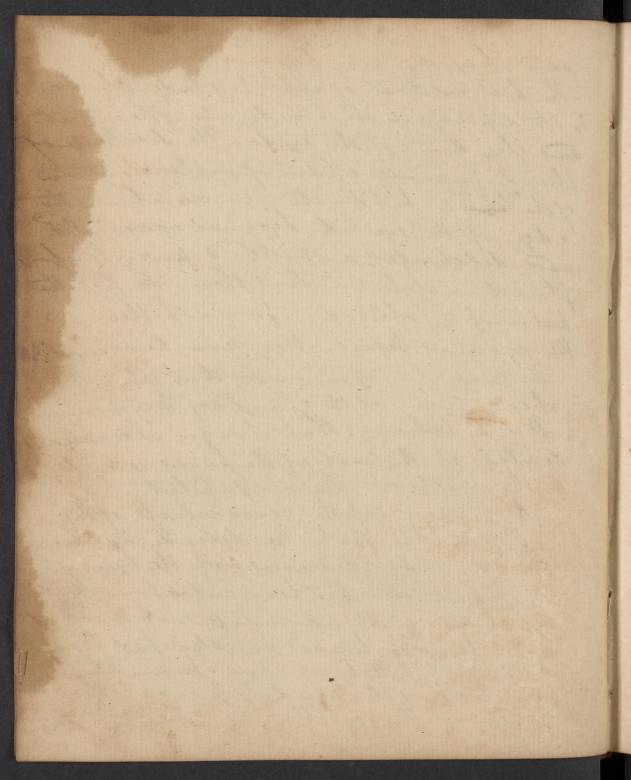




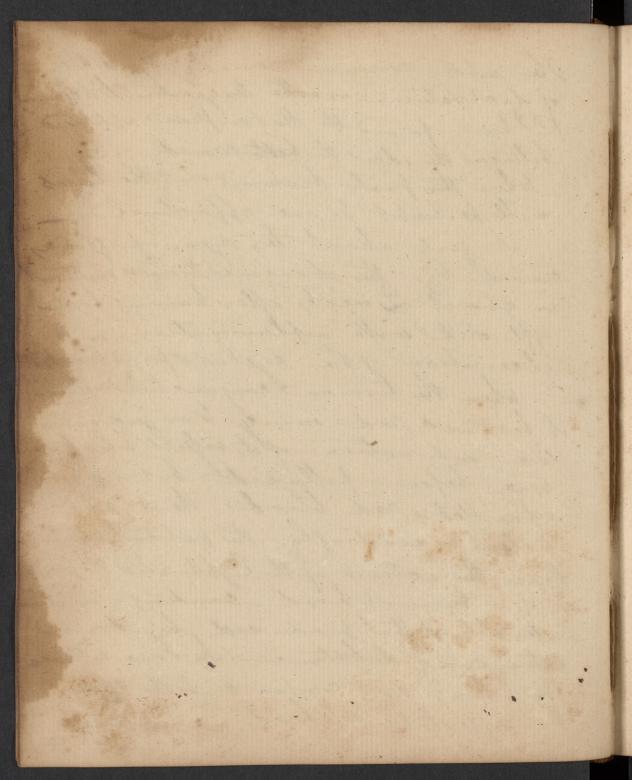
Diseases of the Erest and It of Inflammation of them This may take place in the exelict either wholly a partly in the tunical conjunes of the right; in the auterior or posterior chamber. Inflammation of the Exelia, Sometimes Cantes an estimontation of berun into the cellular, texture swelling the lid very much to that the patient cannot open them in The skin become of a scarled coulour. This pequently comes on in the right and the patient Supposes it to proceed from the hite of an insect. It is however noteaty to atcertain what is the cante muleto when it arises from purchanceal prolene Tredtment in Ingeneral of their be much inflammation IS should be which This with the exhibition of a meremial purise and low diet will generally remove it in If this he not Sufficient the application of campber and



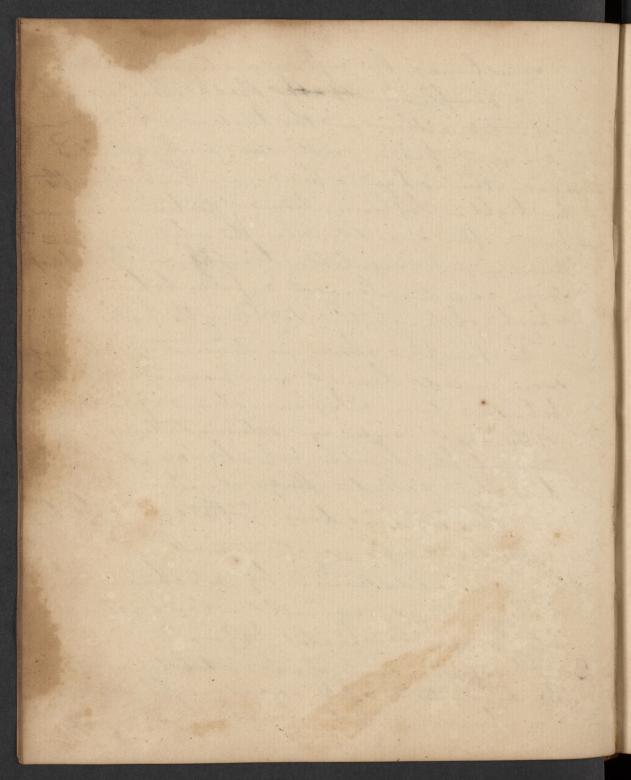
and brandy may be tried -The best welland of applying thede remedie, is to dit rafs in the handy Bring the in out and lay them on the eyel The dischnife of fluid in most cases of inflammatedo edge of the eye kid becomes exerciated and dikehunges a viter purulent fluid afflutionating them to that the putient is obliged towarth them in the morning before they can be opened. The general opinion is that this is an Ar P. believes that it is an ulceration Sented at the Root of the hims resembling in this respect Times Capitis. The correctness ofthis, opinion is that the deteate high keen cured by drawing and the hairs, permacete has been when for this affection with advantage. A wash of a solution of human canthe had been exclude afterward, to prevent the solution from getting into the eye



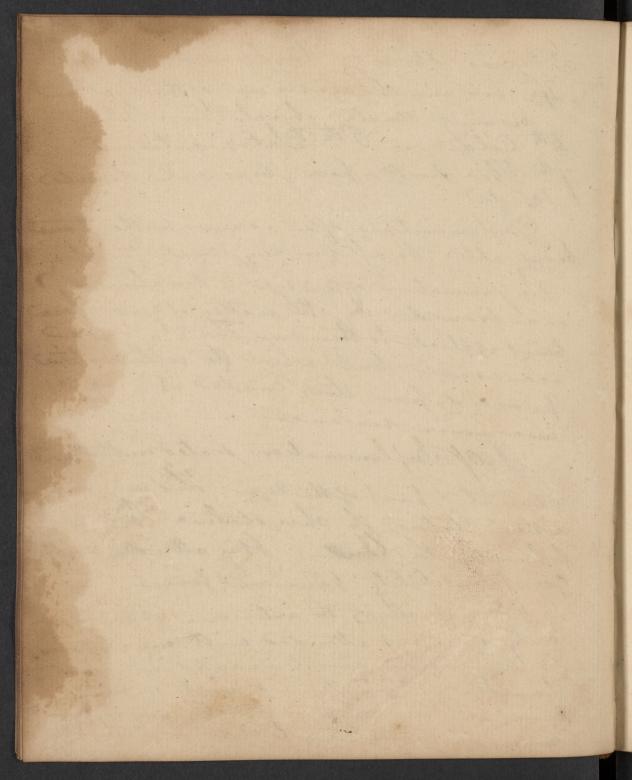
The most common remedy is a dolution of Sac Jaturnie or the Muguentium Citicinum between the edges the best remedy When this fails drawing out the bans will berhaps prove effectual in A girl about ten year of ago way and by the abovementioner outwent in about I week, after having been afflicted with influmnation and ulceration of the exelicts for 9 bless When the time conjunction inflame, it becomes red owing to an increased sire and action of its refell which were before pellucido but noum admitted red bloods. The eyes waters exceedingly, the bateent cannot bear the action of the light and the pain is of a burning kind, canting a Sansation returbling that produced by tome extraneon & Inbstance. In Lowe withouse The pairs is not confined to the eye but affects the foreheady



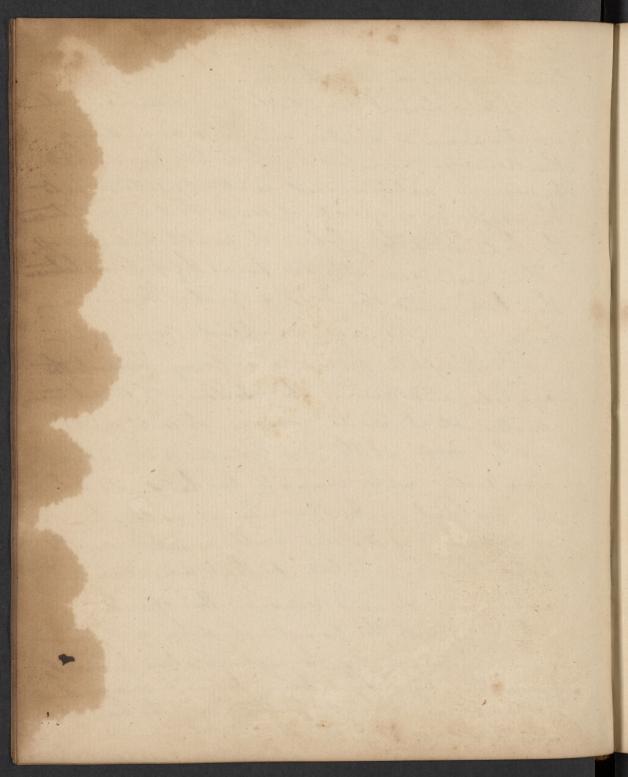
Sometimes the inflammation contists in a pimple or thathe speek, This may be Situated either on the tunica advatador come but is mast commonly detuated near the edge of the come and intercepts. the light. Inflammation of the time a conjune. - how often spreads over the whole corner throwing and congulable lymphs in This if not Soon cured leaves a film behind it which obstruct the light of the patient? the pumple above mentioned if it be not soon curedo lawes an opaque speck behinds it in Cuflammation of the corners of the Eyes causes and extravalution of Confulable lymph which accurate the disease called Muguis.. The injuries done to the eye which occation inflammation are 1th Thate accasioned by mechanical violence at wounds in Sand getting into the eyes Trichiasis del-2. The application of acred substances to the eyes these often occasion blindness as line, when smoke texten



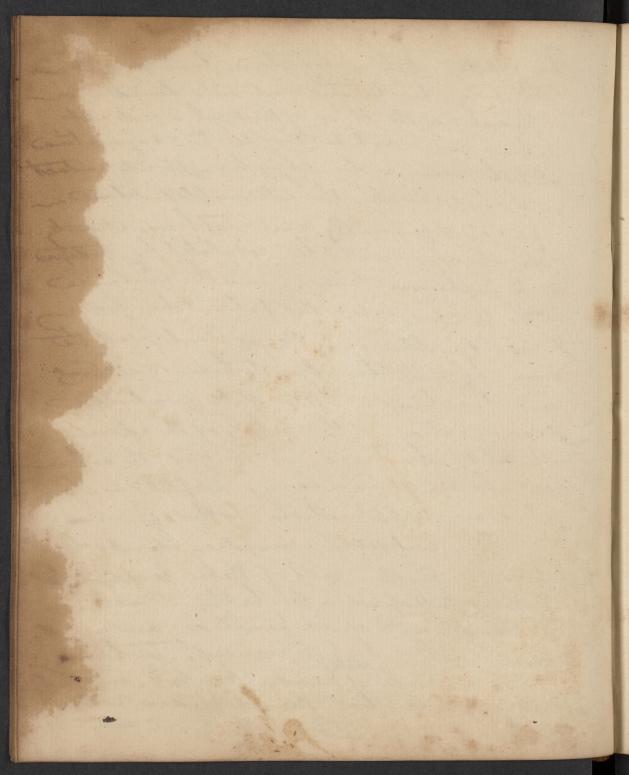
3º Los strong light It Too much exercise of the eyes ind viewing small objects muse 5th Cold on 6th Butaxication yth The small poor, veneral dihease Ouflammation often accurs withoutain being able to affigur any cante for it of Inflammation of the eyes is sometimes? occubioned by the matter of gonowhow being applied to them in This is a rane occurrences but when the inflammation proceeds from this cante it is of Incommon violence __ in of of Inflammation sealed with more internal part of the Eng . This may occur either, before the chrystaline land or believed the land It is attended with great Soutibility hain and forge in when it affects the auterior chamber only it is not attended with much hain when however it accours in the posterior chamber it is attended with violent hair and in goweral if A be not soon removed the sight is litt in the first



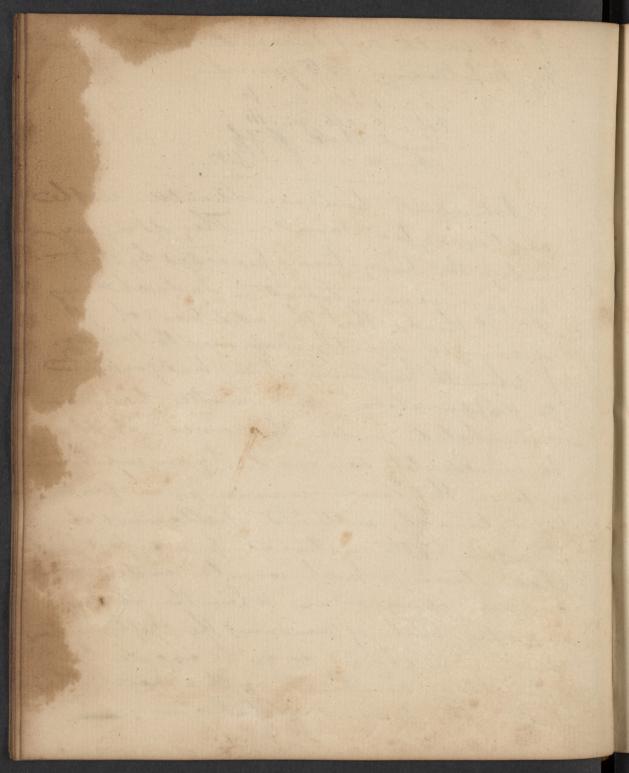
The full cake of this kind Dr P everden terminated in death _ The treatment contests in removing all mechanical violence; and avoiding the remote canted, If I be produced by Some extraneous matter getting into the eye as a speck of Sand lodging between He lid and the globe it must be wife off. This man severally be done by hafting between the lid and the Eye a probe having a piece of soft rag wrapped Round it _ If it still remain we may invest the eyelid and remove the Jand. If the extraneon matter stick in the come it will not be easily Seen as the Ere will roll about incefantly and cannot be held Stilly the patient i A Speculium or the handle of a hair of Scifford well enable us to hold the ere Still to that we can examine it and remove the offending object with the hourt of a lancet in On tricheady the inflammation proceed from the excluthes being turned inwands will produce a cure



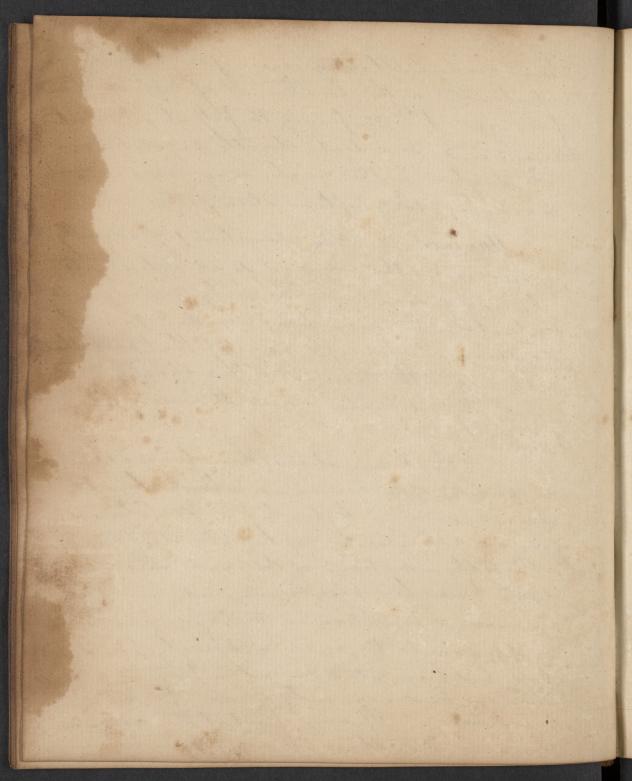
The tarter itself is sometimes turned in me It may be turned out and divided on a piece of the skine of the traled cut out taking care not to vivide the conjunctions and the Divided edges brought into contact and kells by the interrupted tuture We can generally come inflammationty of which should be regulated by the defeet of the inflammation and the vealence of the fever. When the patient has last a considerable quantity of blood from the arm he will be able tobear culpling and leeching. If it still continue ocarification of the repely of the aduate Should be tried in Junging It autim - onials are found very whoful in to also are applications to the eye in The mildest remedies Should be tried first and of these beckaps to pith of saffapas is the bett sometimes a head and wilk positive answers very well but it pequently tookening. I crumb of tread boiled and ful into a gambe bal them dipped in rode water and applied to the high is very wheful



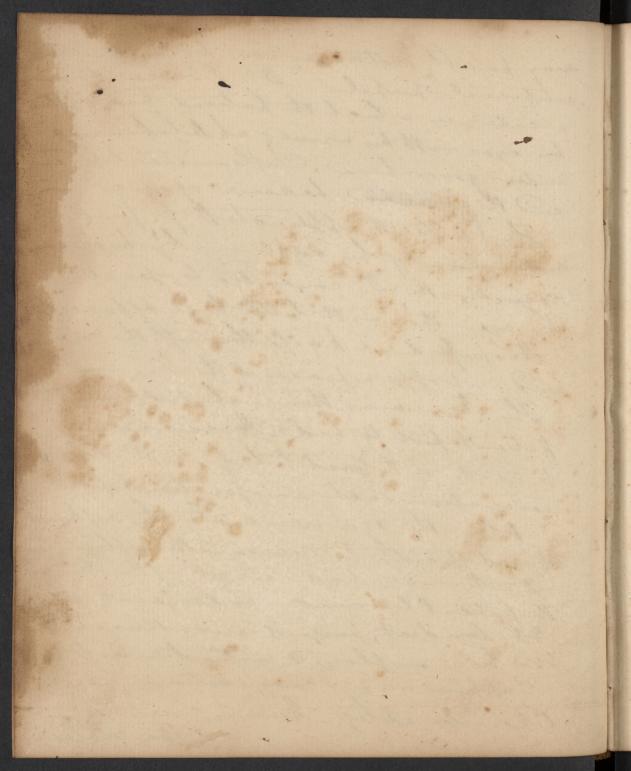
Of this should not duceed we may try thefollowing collyrium Vitrolalligniii
Tinct. Whele # 3/3/1... Astrongants however thould nother emplored too boom in They do injury unless they have been preceded by the proper evacuations in Inducheases Dr I thinks that the addition of Zin of vinegar greatly improves the remedy. I when the inflamination had gone and to Supporation and metter his ac-- cumulated under the corner it stanto be immediately removed by an incision made in the Jame manuel as in operating for calaract; instead of allowing it to open by the natural brocass of whereteon which would render the cornea opaque or When the above remedies bail of removing the Inflammation mercury emplored do as to excele a salivation combined with a refetable diet often proves wheful me



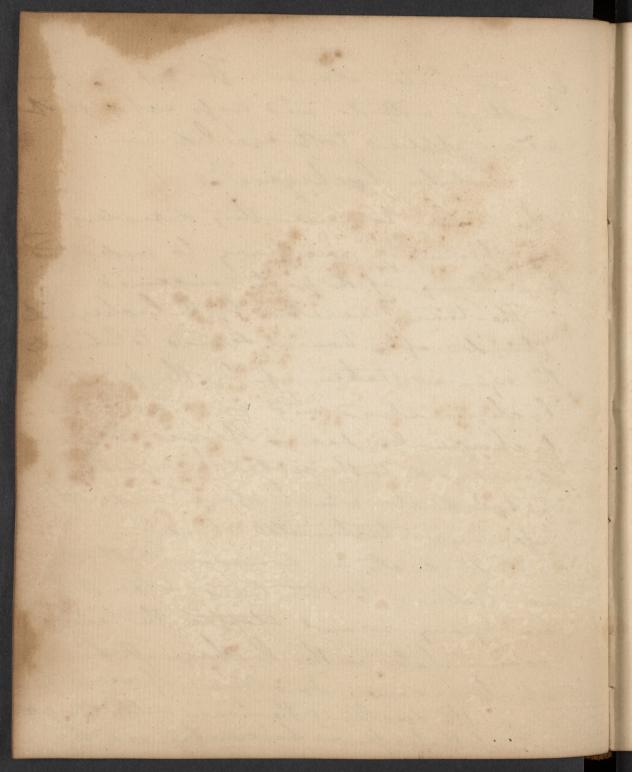
Owo circumstance are of the highest importance in the heatment of inflammation of the eyes 1th confining the platicul to a dark Proon and to a deal sheetly regetable, A sealow in the neck may serve to decrease the inflammation Unquied This Sometimes gradually grows over the cornea to as entuely to I destroy vision - The only remedy is to offeel off the menchane with a pair of Sciffay and forceps except that part that adheres to the comes. This should be carefully defected off with a very sharp knife. Cuflamenation tometimes accerting an opacity of the comea which almost always remains but which sometimes goes off voluntarity if left to deety were Mistaken notions of the cante and nature of this have led playticions into a very erroneand practice in molapes has been droppeds into the end and fruely howdered glass has been ated in order to wear iloff. it worker. If any hart of the come remain transparent an operation way



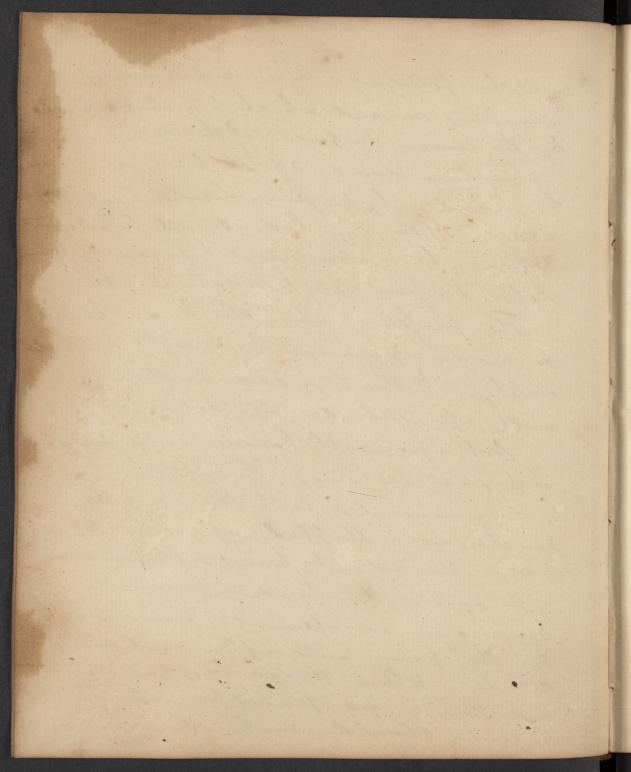
may holibly rettore vition by making and actificial pubil. In Pronce Law a case in which the hateens had watters his eyes with his wrine while labouring under gonorahoea. Inflammation Superneus and the potential became apaque. The Pratient applied to by, for the restoration of his right and by his anxious reguest the De contented to operate an his eye the with little hope of buccefs. He hasped a knife through the comed and cut off a piece of the dris un The Are was then closed and the patient put to held. He can now see to read if the special to large a Dr. Phas never seen such an operation before. When the eyes are bestertly influed it is difficult to remove the inflammation gr. P. once had a cake of this kind. The patient laboured under freat hair. Vs. low diet, hunging and a selevation Cupping and scarefications were likewise uselef. De was could by tar water



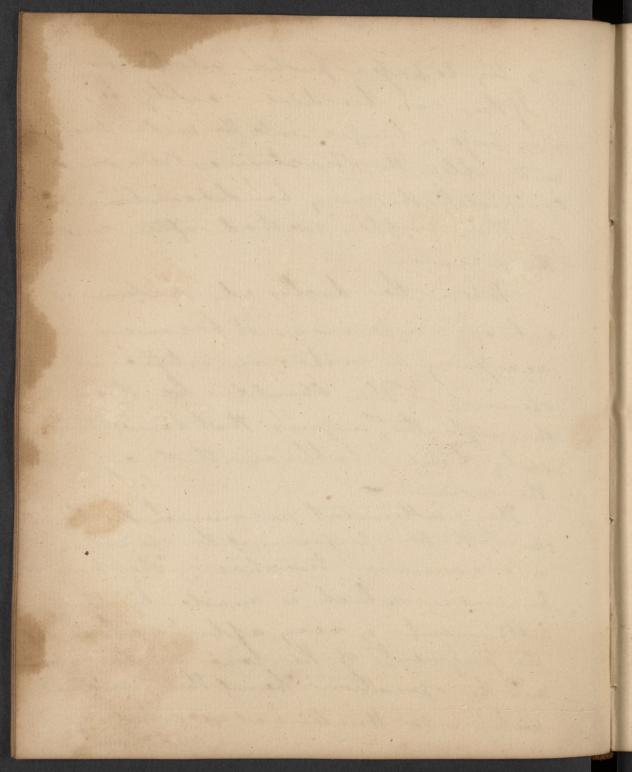
by two water alone or The ever were washed with it and rafs wel with it were applied tothe eye lid __ Fistula lachrymalis -On order to come this disease it is absolutely necessary to underthing the anatomy of the best concerned -The town Secreted by the lackrymal Slands after having served to lubicale The eyes are taken up by the puncto lachymalia and carried tothe lachripmals sae - Therese they are conveyed to the note through the natal duck which opens under the inferiour turbinated bone -These ducts in common with others are liable to strictures. When they me by any weard stopped the tears accumulate in the lackrymal tae which becomes smallen. If we pref whom the sevelling the tears will regugilet and if the prefuse be continued they



will be followed by a visced matter resembling mucus which is probably teeretes by the inner surface of the bacom Cometime some of the tour may be forced by prefune down into the nose. If the ere led, thek together they may be washed and a piece of soft dressing applied between them. The prefoure upon the trac Should be made permanent so as to keep it empty. If this be done the Streetime will often subside Spoulaneoutly Not imprequently however the intide of the sac inflames. This inflammation is communicated to the Skin and the puncta are Stapped up. This is accompanied by have inflammation of the part and fever Jonesally however an opening is formed and then the pain and inflammation subside. When the Saw Suppurates and there is no opening formed the Singeon should make an incidean

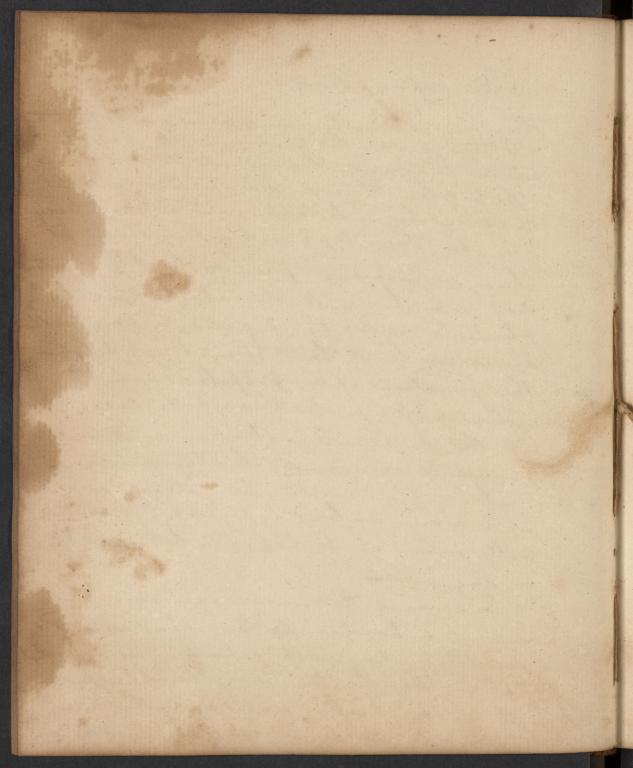


and try to hap a probe who the note. If this can be done eatily he may hap a banfie into the note daily and after the Strecture is removed completely this may be deterntuned. This Simple method after comes Me dilease. When the ductus ad madem is entuely emperous it becomes necessary to make an artificial opening - This should be done through the infinis that being the only bone between the sac and the nose The gintlement recommended by is a common trochar. The hole however which is made by this instrument is very aft to close up the parments of the lone uniting afair and the operation being this rendered useless in Mr Hunter has invented a method



of herforming it in such a manner as loprevent this remind . It is done by introducing a piece of how into the nottril for the instrument topic for afainth and then by means of a punch completely removing a circular piece of the bone. When the operation is performed in this manner there is no necessity for introducing africe of bongie through the opening as in the other case for when the piece is cut out the aperture will continue open and the external orifice may be closed immediately by covering it with a piece of leather Sprend with adhesive plenster. when the bone is carrious and there is a funçous excredeence cut aut the bome and heat the fungers as if Novere dealets in any other part - The carries however is not carry stopped -

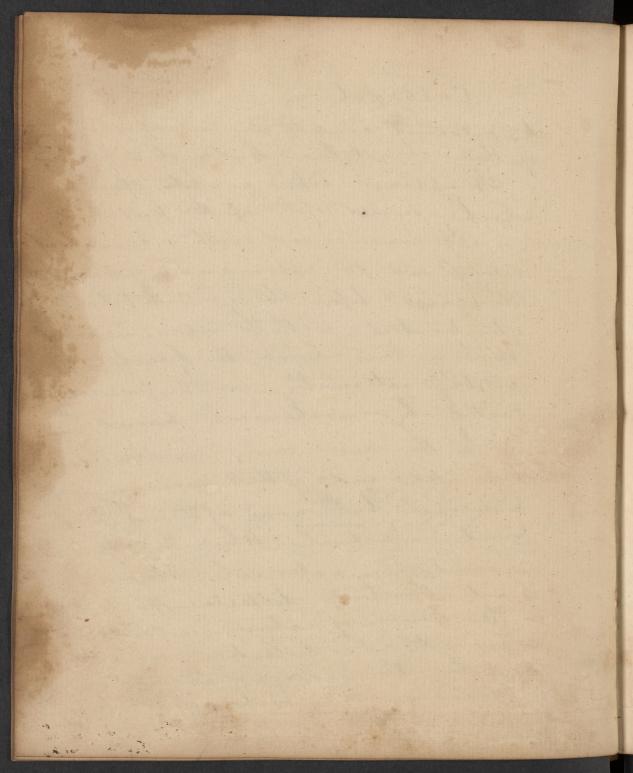
The operation? There is generally an opening into the dase and through this the probe may be haped into the node. But when there is no opening and the sac has begunto Suppurate it is necessary to make one by incision of There is always a tumour formed by the protructing sac which will direct the operator where to make the incision. Care must however be taken tomake it below the junction of the pulpebroom Then paper probes through the das and into the dust and puth it an withforce enough to overcome the streeture... Abanfie must be introduced and were as long as possible. The pateent will wear it perhaps a whole night or day - ~ To avoid the inconvenience of wearing a bouge Me Mare has invented a small probe with a buttow at the end of it is The button may be blacked with black Sealing was and that made to redemble a hiere of court plantler.



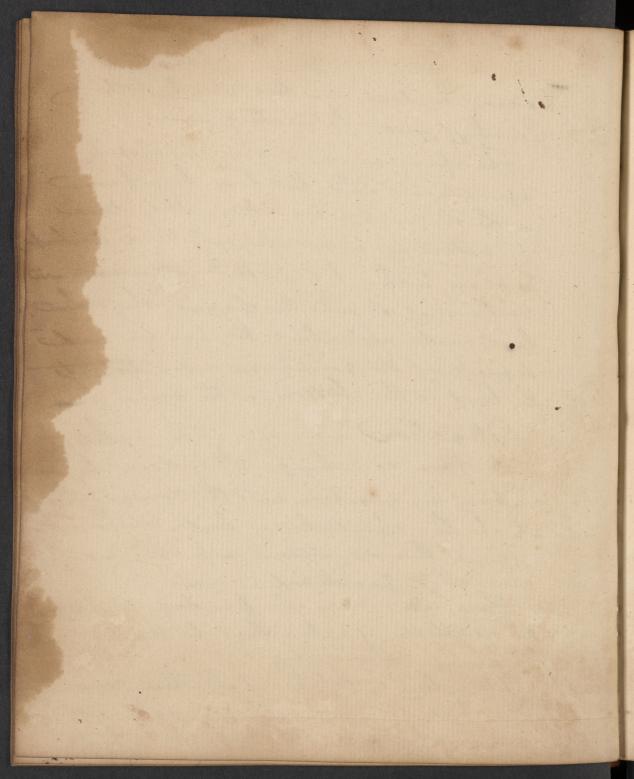
the probe should be worn Leveral months and once a fortuight dhould be taken and and cleandedo Sometimes the Streetime cannot be amone in this manner - the broke count the pushed into the note and the duction impervious and perhaps completely oblititated by an enlargement of the loone On this case an artificial opening must be made to supply the place of the natural one. This should be done in the manner described by Motunter on Outraduce the horn into the note and prefs the punch against it taking care not to push it against the natal process of the Superior Mardlary Hone me A probe can easily pass through the orifice thus made into the note united immediately we -

I The disease seldow recurs in very young people - most commonly affects hertour of about 40 years of year But Apt has seen it is an infant-# This disportion takes blace most pequently when the cale captule of the lend is opaque and oftener in women Man in men -

Cataract. A cataract conditts in an opacity of the chrystatine land or it capsules It appears like a white speck which seems tofite up the pupil It commenced with a dimine feat vision and the appearance of Town thing like gante before the egg in the tratient's specks or burn before the disease is visible externally in It is goverally canted by mechanical means in On the cure many remedies have been when and of the to mercury is the principals but now of them have been found effectual, when the disease proceeds from external violance it will sometime dispersa spontaneously or The powers of nature are continerable in promoting this dispersion which is # done by the process of absorbtion medicines being imavailing it become, Merefore necessary to operate and this remove the disease.

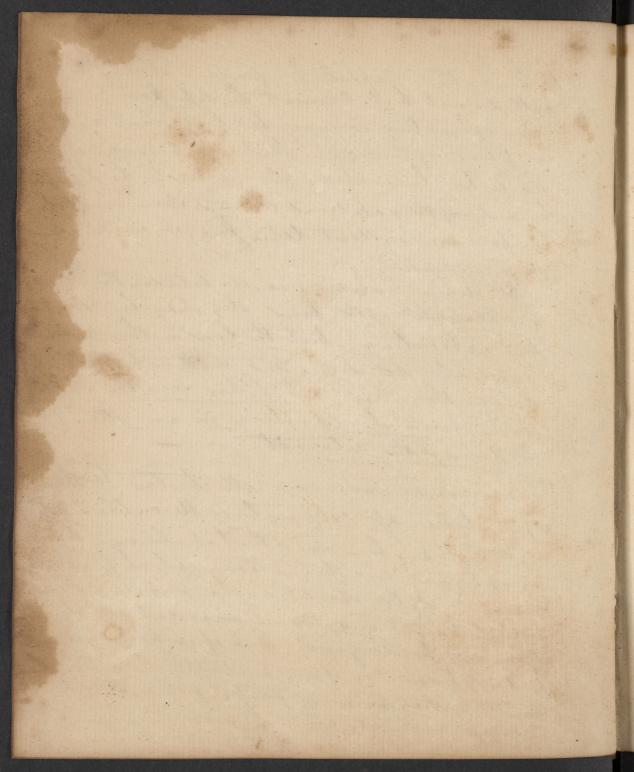


This may be done in two want vor Conching and Extracting The former is a very anxiento operation and has long been known. in the Surficial world a Stis done by inserting a needle suto the eye about To of an inch believed the transparent coines continuing it into the obaque chrystaline less and elevating the handle and the lend to the bottom of the eye we Extraction is an aporation aplater date than conching. It is done by making an encision into the come through which the chrystaline lend is to be extracted. This is the operation whichis most generally practiced There are several peadous for prefering the operation of extracting to that of conching cutural 1st Extracting is keps painful than conching. Tome time of distracted a cataract from a man who had been conches about



two years before. after the operation was over be would scarcely believe that it was done and declared that they him infinitely less hain than the of former operation - Dr. P. haspeguently after operating on one end been asked by the patient to extract the cataract from the other ego immediately This prench pour frain however is not univerted and the operation sometimes gives con-Siderable paine. 2? The cataract never returns after having been extracted but when it is conched it often rites and get behind the pupil again and then it in receptany to repeat the operation repeated 5 or 6 times The cataract is said to be absorbed after being defre the and this is after the cate but there we many instances in which it is not absorbed -3. When the cataract is fluid it may be enacuated by the incideon in estimating -

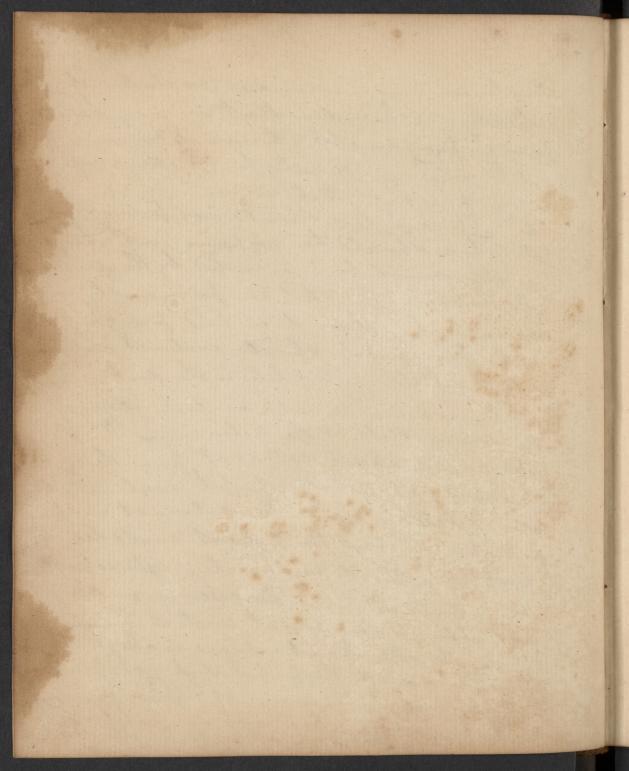
the second state and a second second second second second And the second s The opacity in this case however is not before the pupil and of course will not impede without impede When the Capsuler is apagne Amay be pulled out but cannot be defreted or On extracting it may be fulled and with a pair of foreshs. But in conching this it be lacerated it cannot be defressed because of the adhesions round it a or if if be for an instant depix fed, it will rise up immediately in adherious exist between the Iris and the captule of the lend they may be repended by extracting; but the lend in this case Cannot be delieted without pulling down the Chis. Drphas seen the Iris form from its situation in an attempt to deprep the calaract. The inconveniences attributed to the operation of extracting the cataract It his been sand that it always leave an opaque cicatrination which prevents vision. If the operation be performed with a sharp knife and all in one out this objection does not hold good. But if it he done with a dull knife or if my bart afthe incision he made with a pair of feitpart it will certainly handuse this incommenced me



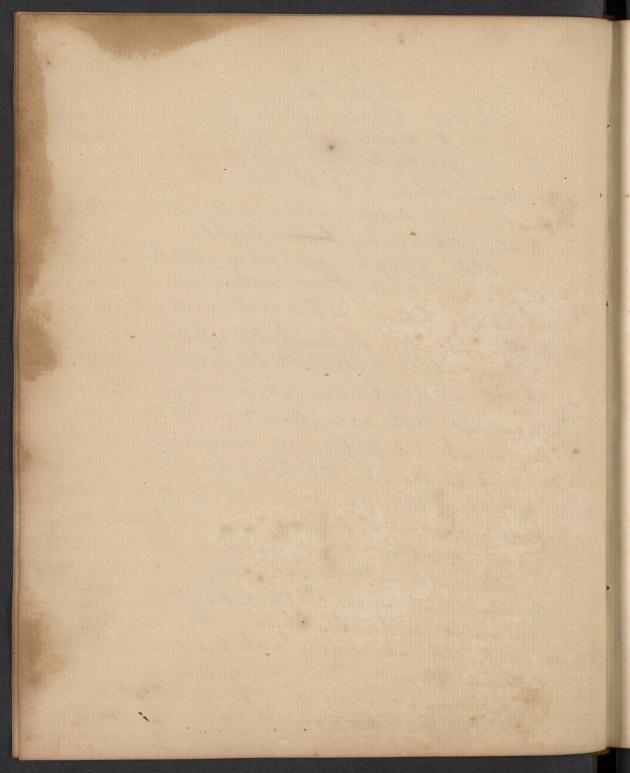
It's said that of the cataract be hards and firm it tears the pubil and disfigures the come as rendering the pupil oval instead of round. This sometimes takes place but The hatient can see as well through an oblows pupil as through a round one -It's all said that the visis is apt to be wounded in extracting, Sometime, if The operator he eareless this may be done and hart of it may ever be ent aut. But this may be avoided very estilys If the inis he seen floating in the way sub the come with the finger it will immedi-- alely contract in It's said also that the vitreous human is often forced out; but this never happens except when very innecessary pressure is made whom the eye of Ded, heled for the readown mentioned Ded, heled estracting. On very young subject however who are unable to held their eyes saffice could steady the Dr. words couch in it is broken to ascertain whether or not there he readonable grounds for supposing that it will be succeptful a Vouratimes Circumstances

The surfern should not be deceived on examining the eye this may happen from opaque shot, and the cornea and a particular reflection of light from the eye. He was another being deceived by the former by looking at the eye sideways, the public will be been below the spots

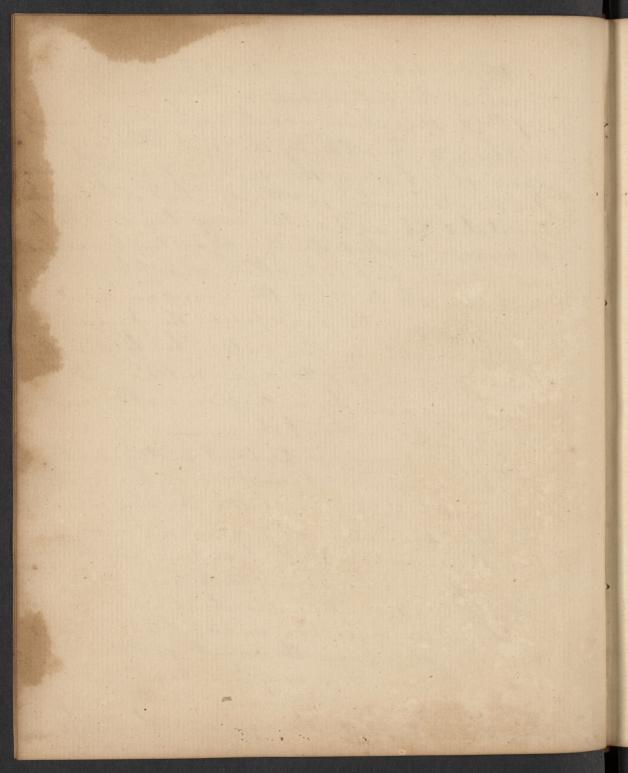
Sometimes cucunttances buche it entirely. On order that we may hope for a favourable termination. 1 st The eye thould be in other respects in a healthy thate - 2? The eye his thould not be twollowing 3. There should be no pain in the head as this would be increased by the operation and therefore it, the previously removed by low diet and purging. 4th. The pupil should contract peoply in a strong light and dilate in the dark men This however is not a certain stogm of the sound state of the retina of g. Is. once extracted on cataract from the eye of a hatient whole pupil contracted and delated pecky. The cataract was firm and hand but the batient could Lee nothing after its removal. afterestimeting the estaract from the other eye she was able to bee objects with it win On the other hand I have successfully operated where the trubil did not appear Sinsible to the influence of light in Here however there was an adhering between the his and the capsule of the lends



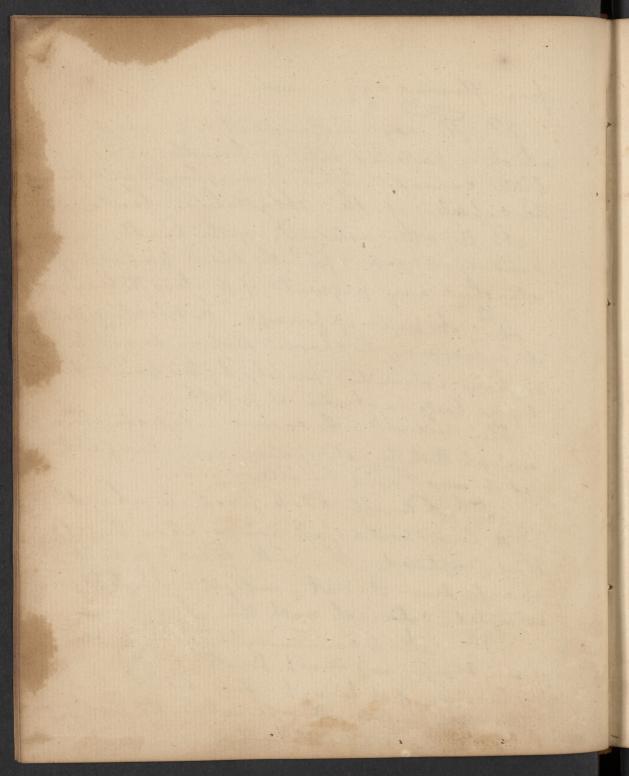
Agefore undertaking the operation of is proper to know whether the patient have a cough or whether he he apt to Insere violently biolent suching has in some cases captured the repels of the eye and thus occasion and extranasation of blood into it admand instance suppuration ensued and the patient last his tope sight. old people are very apt to sneered violently. It has often found his patients relieved from a fit of Incering by hisping metty finnly against the wholer life in The patient should be confined to a law diet and take hurge's for some days becoious to the operation a If however he be weak debletion is unnecessary and if plethorie VS. Imay be used Either the thing or the fall are the. proper reasons weither very cold nor very warm weather being favourable. On cold weather it is difficult tokech . He apartment in which the batient remains of an minform temperature. He therefore l'is liable to catarrib which broduce, violent inflammation. In very warm, we atter The patient cannot lie perfectly still so as to bernit the wound to heat soul, y



After determining to extract it is proper to select the instruments - These are 1 ch A speculium occule which is commonly employed to steady the eye. This prefer upon the ball of the eyes and in this manuse Jandes to make it steady but it like whe initates it and in this way tend to make it move a Beside, this it entirely occupied that hand to rub the comea morder to discusase the iris from the knife M might in this case be held with three fingers and the eye rubbed with the remaining one by a surgeon who was apaid to do without it in 2? The most important instrumentes the knife or The diameter of this at the broadest hart is a little greater than the somidiumeter of the corner ma It grows gradually broader from befinning to end and the lower side has an extremely showh edge throughout its whole length. The when one has an edge at far as 1/8 hart of inch from the boint and this in order to give it a very fine point and an easy entrance in By growing continually broader it brevents The agreens humans



from flowing out we 30 The next instrument is a needle which's fattened into a handle and is a little curved. This is employed for Supturing the capsule of the chrystatine lens. At the other extremity of the handle is a kind of scoop for the Lame hurhose of extracting any pagments of the lend that may Temains 4th A pair of foreeps. In Selecting these it is necessary to chaose such as do not touch at their extrem tres merely by two boints but by as large a basis as possible -They resemble the common diffecting forceps except that the extremeters are claufated as it were and Imaller. . . . 5th Asmall hook fixed in ahundle If the land should fall down whom the capsule being ruptured, this will serve to raise it wh and draw it out, indeed I have prequently extracted cataract with this alone me 6th It is convenient tohave a pair of very though and Shart pointed seifrais to finish The incision if it he not sufficiently large. The day before the oberation the hateent should take a calkartie



Before herforming the operation the eyes The be covered with two compresses which should be attached be a boundars haping over the foretiend kinning who that which is over the eye to be operated on. Seal the hateent on a low chair apposite to agood light, his face being turned obliquely toward it. If he were directly facing the light it would be reflected. The surpose thould like higher than the patient and before him Some Sinforms choose to have a stool to raise their knee that they may thus form a rest for their allow me An apistunt Should Stand behind the putient and devate his eyelid putting the ends of his fingers under the edges of the lid and making moderate treffine whom the exaball. If it he the leftere of the hatent whom which the operation is to be herborned the Surgeon Strouts holds the brife in his right hand and wice nerta. If the Inform cannot operate with his left hands the knife muth be formed in Inch a manner as to half over the nose allowing for its projection

THE RESERVE OF THE PARTY OF THE

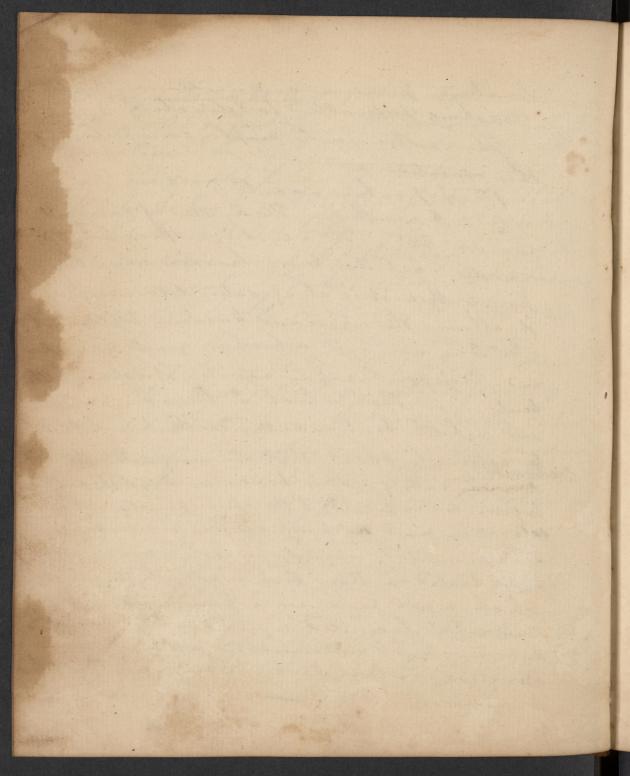
A desterity of whould either hand should be agained by operating upon dead Rubjects. The surface the hold the knife very much as he does his her in writing when the ere is birthopened it moves in a variety of directions but after a little while it becomes herfeetly still - un As Loon as this is the case apply the haint of the knife about the twelfth hart of an inch from the Sclevatica me. but do not then functure the cornea because the eyes snoved when the knife first comed in contact with it when it has become fixed make the puncture and huth the knifer until it comes and at the ophosite eage of the corner and complete, a Semicircular meision, of aftermaking the punisture the iris beleen floating in the way Rub the ere with the finger a After the knife has hundlined the side opposite to that a kindreh A entered of has a complete commandover The eye in Care much be taken not to draw he knife backwards at it is necessary to finish the incision with one push when lacerate the capsule of the chrystiline land and hiefs whom the eye in order to force it out. ..

As soon as the beclier of the course is completed the egg leds thould be closed In order to permit the pupil to dilate _ after warling a few minute the needle may be introduced for the purpose of tening the captule of the lend or Sente pressions, will them generally detcharge the lendthe divided pertions of the some side be theretis with the tdoop If the low the not be eathy ortracts in this manue the Surfer take hold of it with the hook we the moment stig out the Endled, sel be closed for Some time -If They are afterward, opened and the pubil examined. If the captule he not opaque the patient dees. If opaque The pufil remains white. The Inifeon me st Should proceed to extract the pasments of the captule. They are after brought wto the anterior chamber of the eye and discharged by gently Rubbins the lidoon the corner; but if they remain in the eye the dearp should be suployed. This sh? not be publich too far for fear of injuring The captule of the vitreons humour If the cuptule of the lend

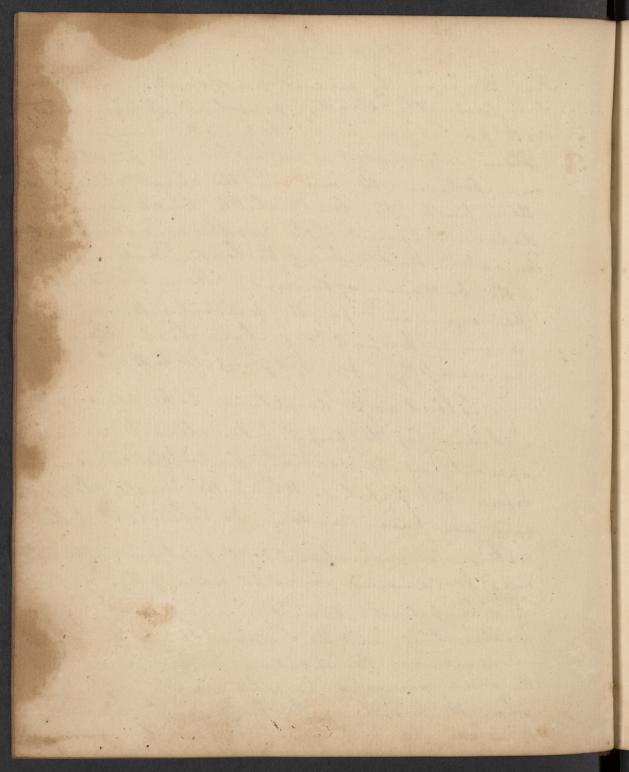
After cutting the cornew the eye should be suffered to red a little and closedous Baron Sbendrel had acquired such decterity in performing this operation that when the pour of the built was apposite to the pupil be pushed it backwards, princtured the capsule of the land and then continued the ine is ion of after soliacting there be my obaque harts Remaining they are probably palments of the lend or of its captule and sh? be estracted with the forceps or scoop. The batient eyes should their becovered with the compresses and hundely put toted where he must be kept for at load for 10 days in a darkened apartment in The patient Should be candianed against rubbing his ever and to breach this how being down It involventarily Dr Pfatters The hateents hands by takest in such a manner that they are allowed to so ino higher than his chin - Pressure would force out the vitreous humour and thus entirely because the hatrent of the hower The Street of the

If the captule of the leas is to be taken ont a small pair of foreches is the best instrument. - Sometimes the lend cannot be extracted by any involvate defect of preferre the aided by the book. It is then probable that its capsule adheres to the iris - the adhetion, must be town away by the needle butthe requires nicely. Take care not to thron the inis into folds or Noway he town -Vometimes before the operation we know that the captule is ofrque. he know this by shot of opneity whering as the detached from the land . In this case after the Section of the corner as it is known the Captule must be extracted Ir hadrise, the auterior part of the captules total hinched up with a pair of forceps; by bulling the whole membrane Imag easily be taken out. The captule is theels extracted first because it can be more readily laid hold of whele the lens lemains in the eye. The lope when divitation its capsule falls to the bottom of the eye it may be estracted with a mall hook

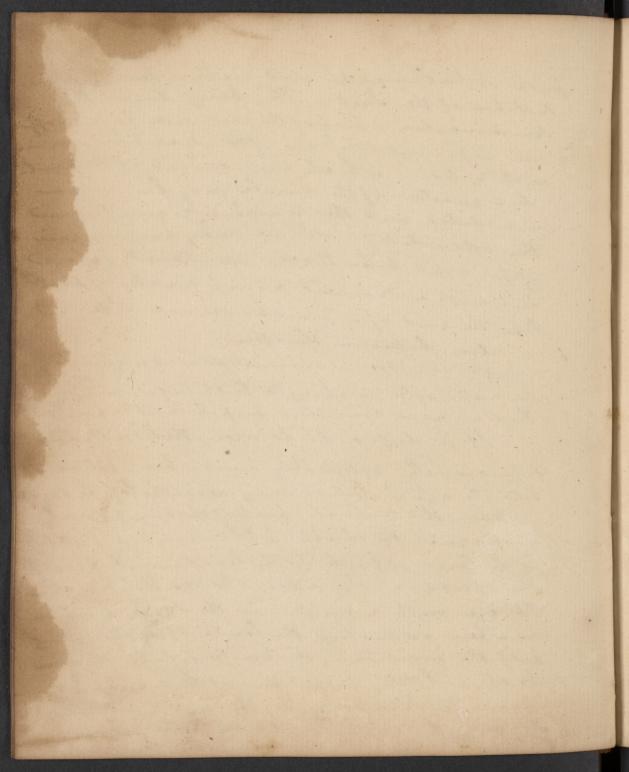
Sometimes peculiar concernationes reader · Careting heeferable Totaliacting ? The instruments employed interforming. this operation and 1. A speculium acculi 2? Ancedle - These are of various found. Mr. Pott advises a spear houted needle but this being broader sear the point Mish it is at afreater dettunce from it allows the agreeous human toftawast. In Heig uses one which quile rounds and Professor Scurper advises it loke alittle bent in that which I'd ises is round and a little bent or curved. The haint the. Selevation easily. It is however very difficult toget it so show I of therefore punctures the selevotica with the knife - this produces a Simple incited wound which is much more easily healed up than that made by the needles which must broke a punctured and somewhat lacerated wound in It. P. has found that much less inflammation followed the operation when the knipe was used than when It was not



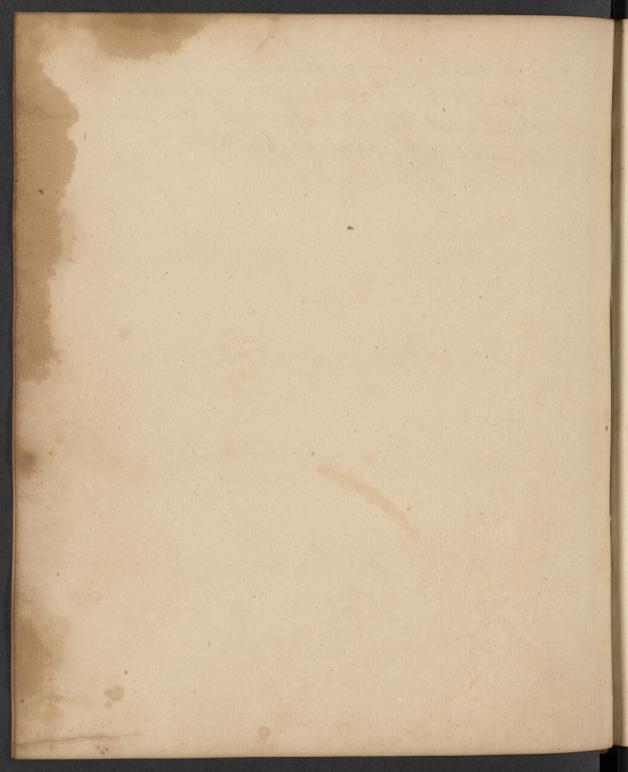
The operation -Fix the eye by means of a speculin and when it is herbectly steady puncture it about the soft hud of an inch behind the comed and Then introduced a needle and publich on between the vis and the chrystatine lens. then push the lens a little backwards depress the point of the needle and elevate its handle thus pushing the lend and it capsules to the bottom of the are - Then bind up the ere and put the patient into a dark room keeping to a low diet, There is no necepty for his going to hed Blindness sometimes take place pour a closure of the pupil; tometimes from an spacity of the central part of the cornea before that pupil. When the inis is closed and we have reason to believe that the rotina is imimparied a portion of the iris may be removed to at to admit the light. The patient should bit as in the operation of extracting and the Longean the det before him Commence the incision of the comea in The same manner as when extracting and when the point of the knife gets opposite, to where the public is to be made pushed

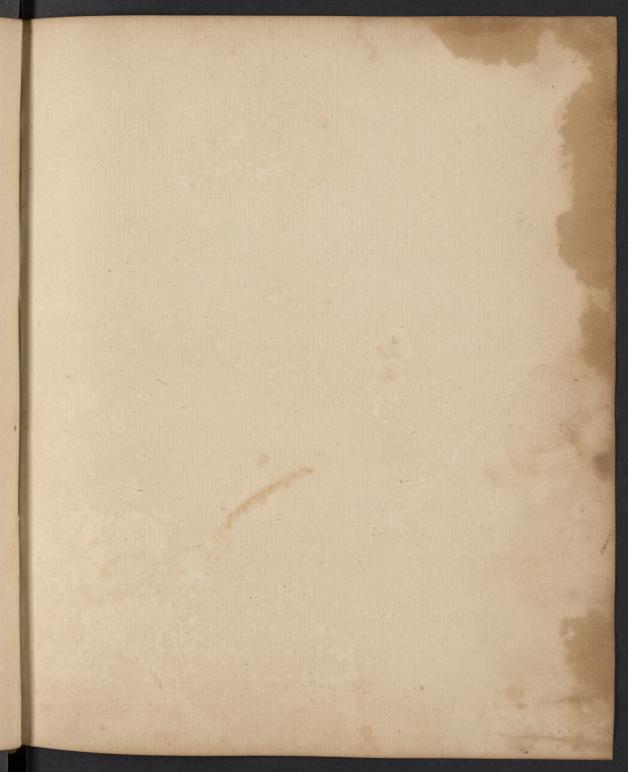


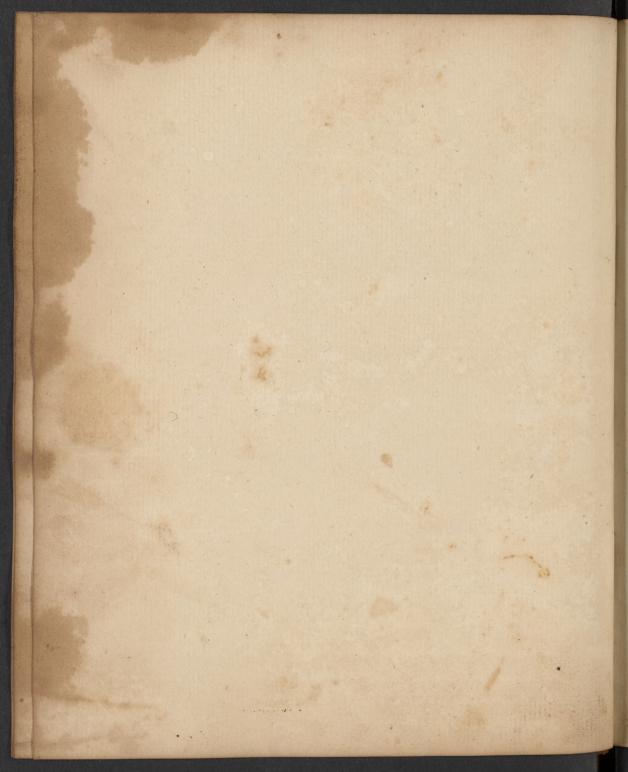
push it backwards and make a semicircular section of the dris - This being done the Semicircular part of the iris may be cut off with a him of Sciffons of the utual form or with a bair which are curved at the point. One quarter of the circle may be cutou one side and the remaining quarter and The other side or we may have a pair of forcehed like those mentioned before but with a round short circle of steel like the end of a hunch on one side and a solver buttow on the other with this the remaining bemeench may be cut after making the first incision and Thus a new circular pupil will be formed. It is difficult to open these inthument Sufficiently after they have been introduced into the ever but it may neverthelets be done. When the central hart of the come a only is opaque the object is to cut out a portion of the iris opposite to the transparent hart of the corner. In order to do this hunctive the eye with a knife in the same manner as when extracting the lend, after finishing half the incision the knife is the diawn back a little a portion of the agreens humour rushes ont the iris is brefsed forward and entangled with the point of



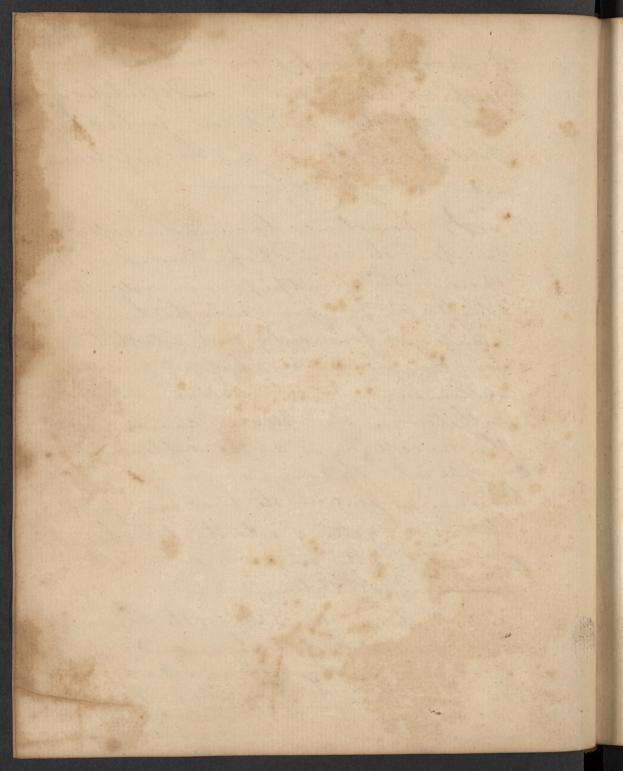
with the boint of the knife. The incidian is then to be continued - a hortion of the continued of the hateast will be can off and the hateast will immediately recover his Eight.







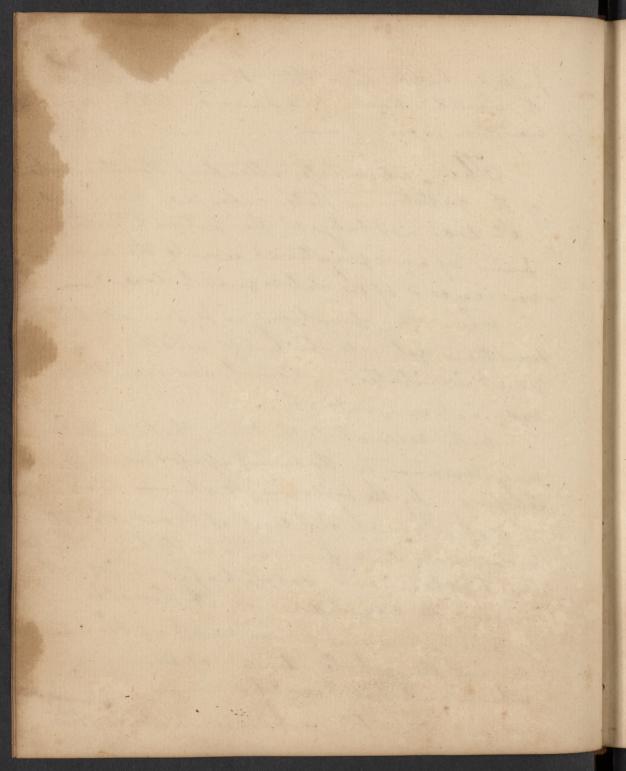
Of those diseases in which respiration and Destutition are affected and in which Oe Sophagotomy or Larry folomy are necessary -A sometimes becomes necessary to open the windpipe in order to open the windpipe in order toopen apastase for air into the tungs on dingeous formerly cut into the trucked for this purpose but at presentities Cuttomary to introduce an elastic catheter. ... Many cante, render this necessary - as the inflammatory Complaints to common in our climate tumous prefing on the tracker foreign Sulstances getting into the trucken to Tometime the touque is to Lwollen a, On deep wounds of the throat which divide the tracker and oe sophely it was formerly thought necespary to perform These operations, but now it is found quite sufficient to introduce a flexible catheter



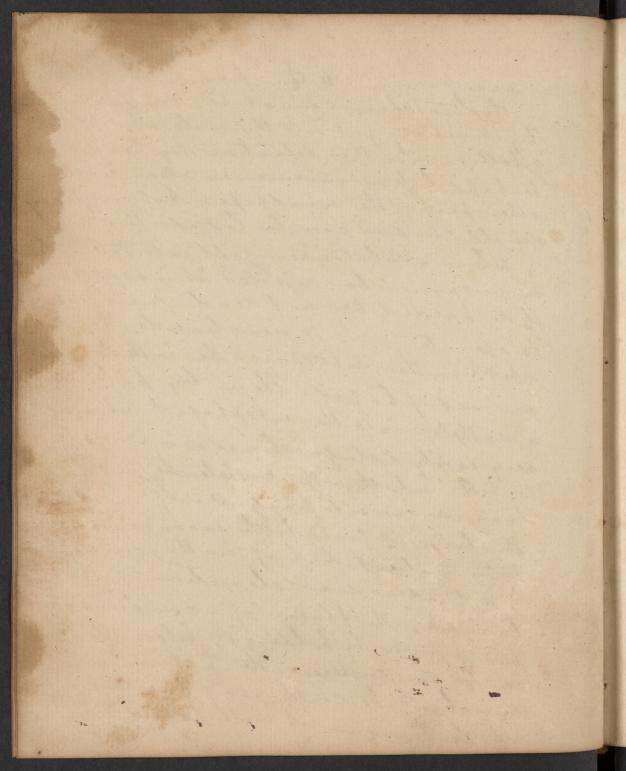
after the manuer of Desault. The same observation holder good in cales of Sufferded animation -The introduction of foreign Substances causes violent confling Lep and therefore it might be Supposed that it would be improper to put in a catheler Experience however teacher us that it does no having after the first irretation is over it remains in without inconvenience where the tumour is in the month and the largua is found a catheter Il be happed into the largues. cu A young man having swillowed his money in a bag in order to avoid being robbed it Statehed in the pharyna and pressed whom the largues in such a manner as to impede respirations excedingly. Here the Sugare performed an operation in order to extract the money. In this case a catheter might have been introduced into the largue and while Aremained there The bas of money should have been estracted by means of a hair of Forceps

1/2 a 13/2

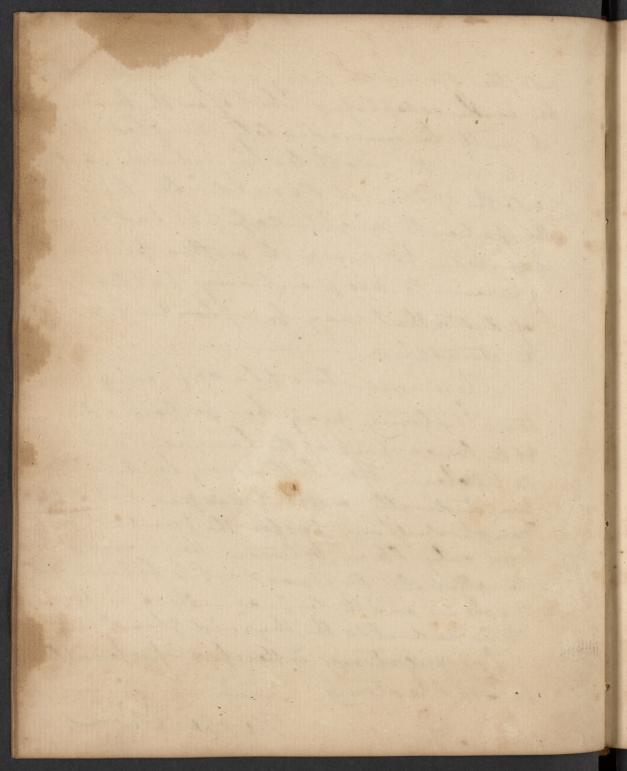
publed back into the Homach where it would have produced little or no inconvenience in The advantages attending the introduction of the eather in there cases are various. I It does not dubject the hatrent to the hain of an operation nor to the incom--venience of the Subsequent Love 3 When the operation is performed blood Lowetimes get into the longs and there candes great irritation Sometimes even stapping respiration entirely. with respect to the time that a catheter may remain in these papeages we may be satisfied by the following cake un A French Soldier at Lyons attempted to commit suicide and in to doing divides the trocker and oesaphagus without injuring the carotide. In A flexible catheter remained in each of them during the whole time of the cure which was o'or 8 weeks me Sometimes however anoperation



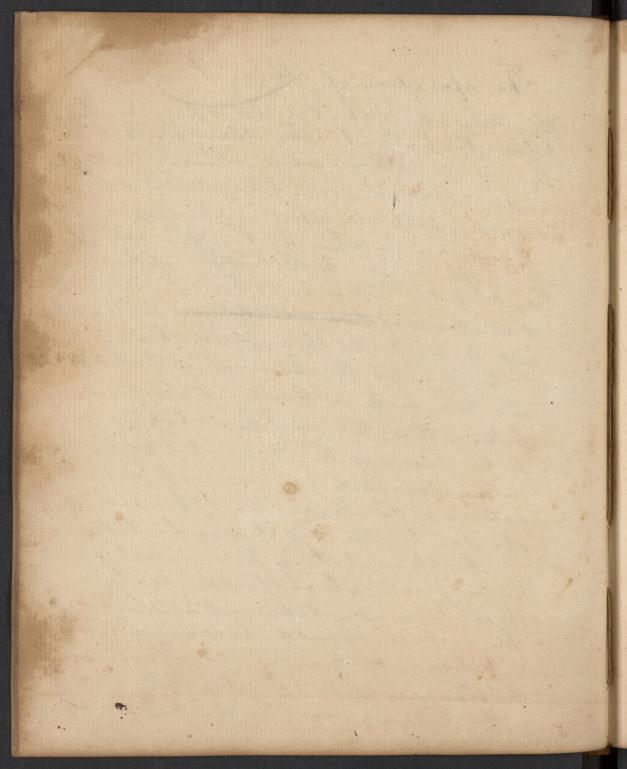
is necessary when foreign substances in the trasches cannot be consted up they sometimes get into the wentvicles of the glottis. In this situation they traduce perhaps less inconvenience Than in my other part of the windpipe but only very Small badies can be lodged there and when a Substance gets enter the tracken and cannot be rejected it is ne ceftury if the batient he not dead immediately to operate. It is sometimes doubtful whether, the Substance he in the tracker or ossaphagus. Then by hafring a catheter into the oesophagus we may very easily distinguish as it is very easy to tell whether the catheter he in the larynde or oedophagus i fithe in the latter It five, little meonvenience to the patient but if in the former, them is a sparmodic elevation of the laryna; The blame of a could well be blown by holding it before the end of the catheter; the patient will be inclined to cough and by introducing a little liquor it will hald into the



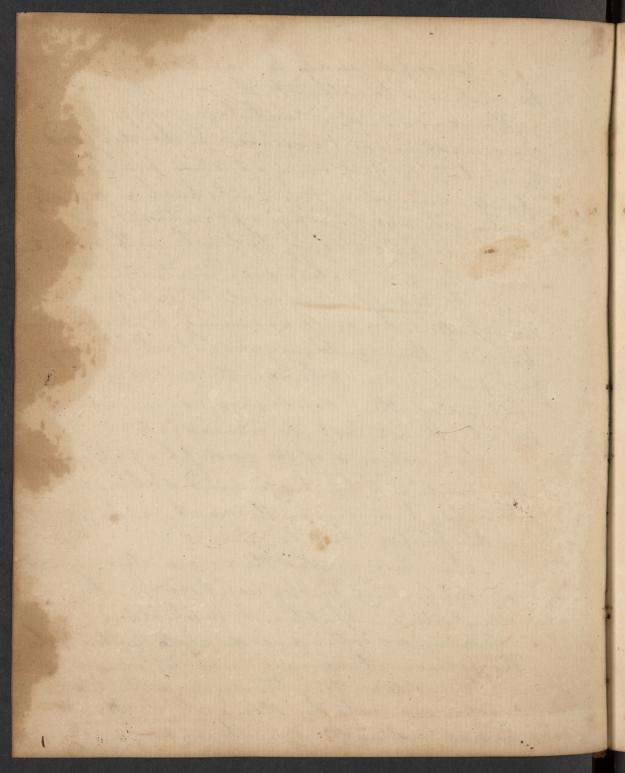
into the stomach very easily if the catheter be in the ocsaphagus but if en the tracker it will be immediately coughed up. When the catheter/cs introduced moth glottis it Should be ted to the patients night cap; it has been advised to cover it with a piece of gavre to keep out any harticles of dust tethat may be floating in the atmosphere, -There are two places in which tracheotomy may be performed vir at the lower hart of the largue and in the tracken The latter may be divided loons itudinally without danger but the French Surfaces twefer the former there being only Sk in between the Laryna theesternal purpace while between the tracken and the Simpace there is the Itim and also the thyroid gland. --Laryneotomy is therefore preferable to Trackertomy The operation



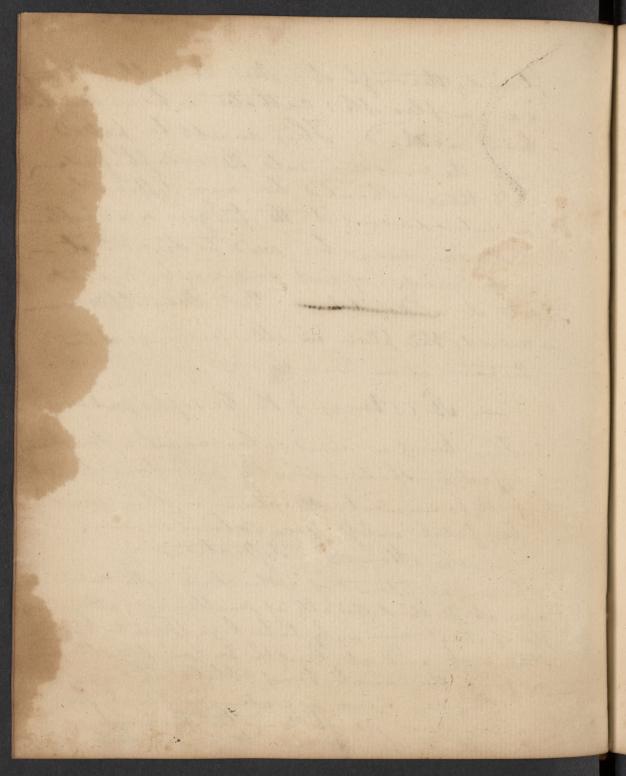
The operation of Laryngolowy. The surgeon sthould but whow a chair before the patient. He should feel for the space intervening between the thyroid and crievid cantiluges and directly over this back make an incidion of about an inch in length extending from the former to the latter of those cartilages. This is to be made in the direction of thoto cartelages the tracked and to benetiate through the Skin wait until the homovohale has stopped and then make a transverse incision between these two cartilages taking care to cut nearer the cricoid at a Small artery Sometimes hasped across at the bottom of the Thyroid. If however this should be droided it may be taken up. A schoer tube is to be interled into The orifice which should be two or three times aday taken out and cleanted Its orifice thould be covered with a piece of gaure. Ha foreign substance if to be extracted the orifice in the largue may be delated if ne ceffory



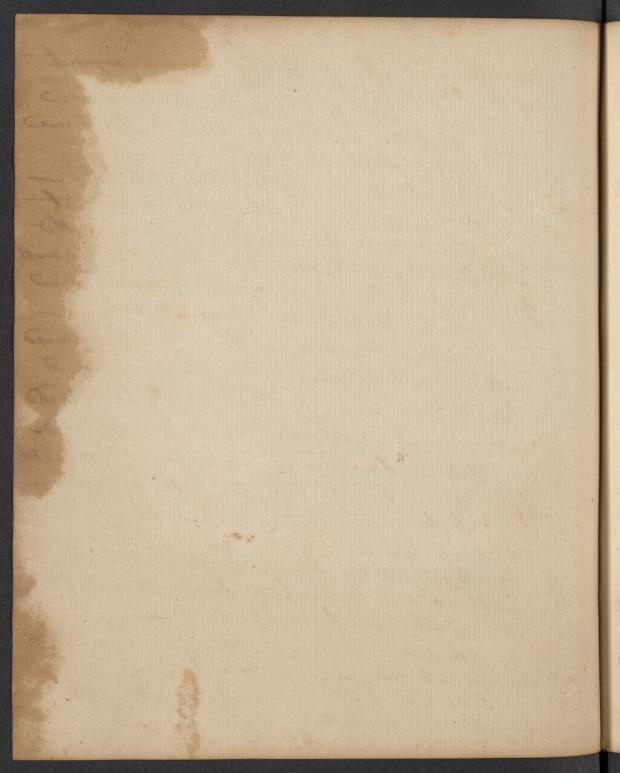
or a forceps may be introduced through the orifice to applied it -The circoid cartilage may of cumstances require Nhe divided from top to bottom as it is famed that large wounds of this back healers kindly as small ones. This operation is Seldow necessary but where the obstrue - tion is of a sparmodic nature Dr D. would prefer it to widating The glottis by endeavouring to hafsta bouges the consequence of which may be fatal in when the acsophagustis obstructed the consequence, are equally fatal though not so immediate obstructions of the acraph a ful may be produced by large and schirrans Fousils, tumour on the neck, enlargement of the forfue? delde In these cased there are two modes of Supporting the hatent vir by untitue Systems - mutilions Substances introduced into the Stomach, The former alone are not sufficient. In order to introduce putitions substances into the stomach untimeter hafted asmall cel Skin and pyceled



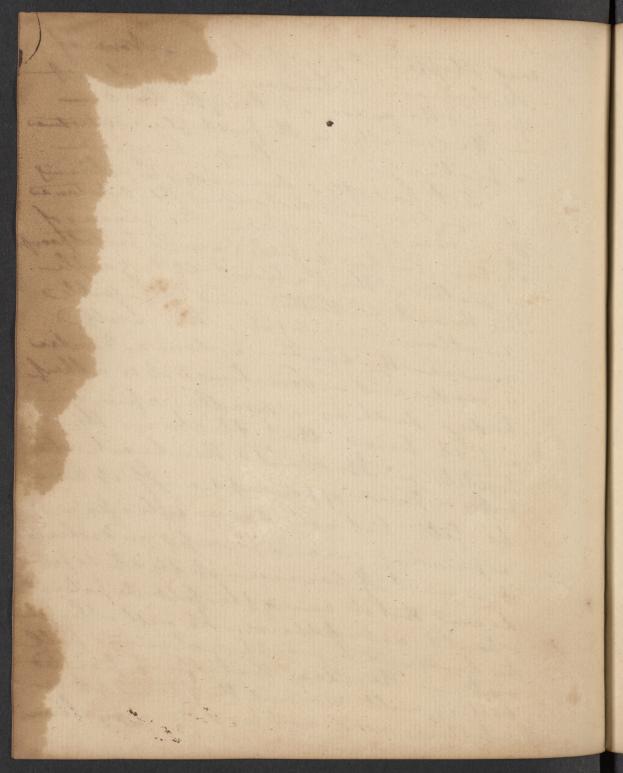
fluids through it. Me De Sault, inthumen is a flexible catheter is however the best method. This mudble passed into the mide into the resophafuse If there should be any difficulty in introducing it the finger or a double cancella may be used to direct it -A syrings of rich soup may be injected into it a Differ her Desaultre com. - wends this plan in all swellings of the throat as in Lumber del - Strictures of the Oe sophagus -This being a muscular canalis Sometime, affected Spadmodically and Louretimes with permanent. Streetine in This mit be fatal unless soon relieved -The Symptoms of astructure in the ochophage, are at first difficially of swallowing; afterwards the patient com only take liquids into his Stomach and at leigth he can broallow nothing the canal being obtiterated in canal was so abstincted that only a small broke could be happed that it.



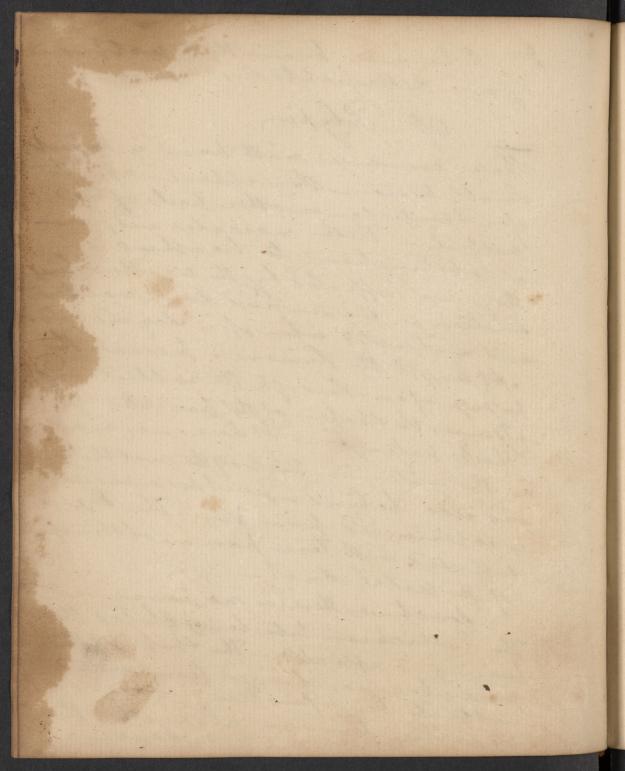
Mr Home advides in the communequent of the disease to use large was bourges land gradually to increase their time and that the treatment shis, be the same as of Streetmes in wrether a Vouctimes cantie is applied_ For this hurhade a bouges without cansties is to be hafted as for as the Stricture. It sh? Then be marked with the patients teeth in order to asteertain to what distance it went downer Then introduced the bougie armed with causties and let it remains there 1/2 - This may be repeated every day until the one be effected-M's sometimes necessary to extract for eign substance from the acrophages. A bay in eating a peach after taking off the fleshing hart of the fruit Iwallowed the Stone or This Stuck fast 3 or 4 inches down the oes of beging being statited by aspasmo -A man who attended the lecture room at Landon and who pequently Swallowed half crowns in attempting to do it one day furted and to com was slopped by



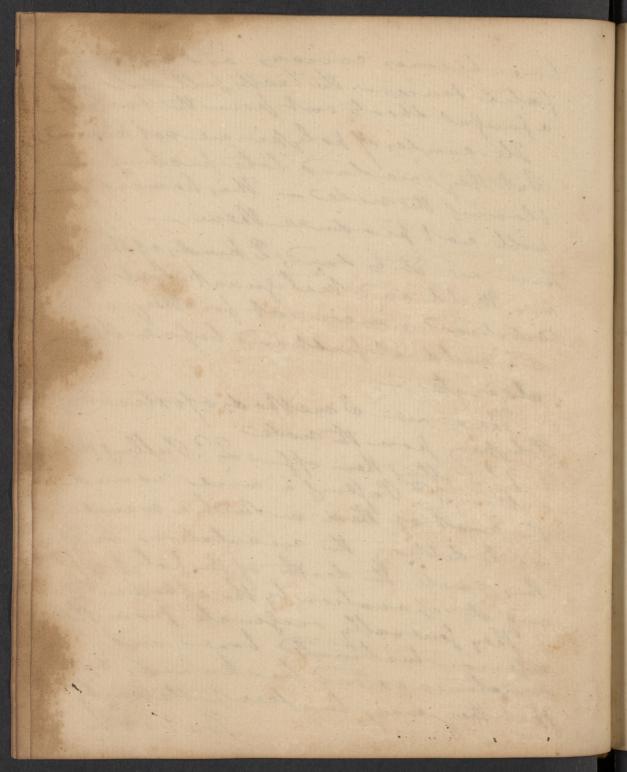
was stopped by a spalm None of the Senfern whondon could extract it and the man at length died We generally in the first place introduces a probang or a large boufie Def. has often Duceceded in relieving the Substances the Spation and distording the Substances by means of this grifle Sea grains of Lastar Einetie despotoed in 12 tables poor of water. The hateent dho, gaifle his throat with this and of papelle twallow some of it - This will remove the Sparker as Loon as hausten is produced - Sometimes it is a though body such as a needle, afin or a fish bones that Thetes in the toutils i It should then be extended with a pair of forceps. If it can be fett hat not seen introduce a pair of curved foreeps and extract it - welf however it stick to far down that it cannot be felt the patient should not despair. It will attength be loosened by supportantion and full out or The idea that thurk friends bodies, will wound the Stomach or intestines need not produce any elerm.



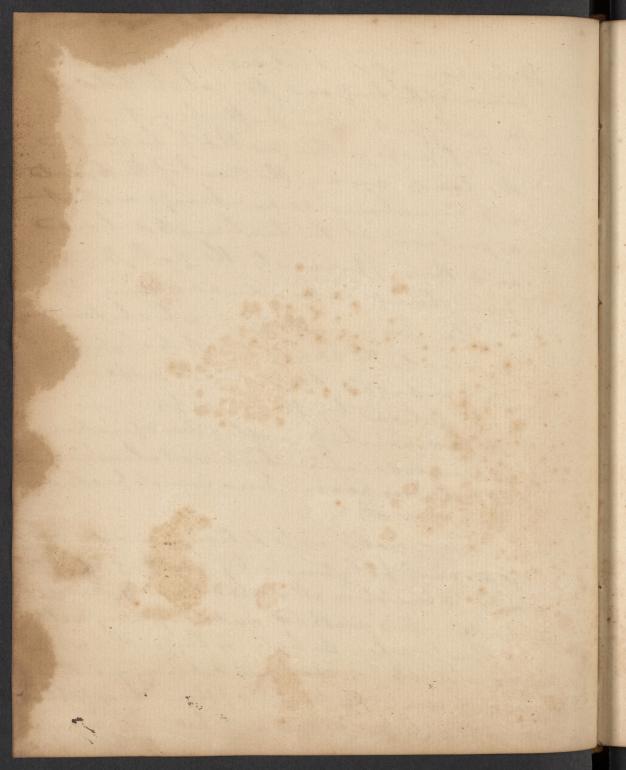
Dr. P. has never known this effect produced by even the thompsol bodies -Of Tolypin These commence with hair in the hart. Small tumours then abbear whow the afra Shoufiasa ar other hauts of the nostril, v There increase and form an obstruction to breathing -They are affected by the weather being swallen in warm and damp weather and contracted when it is dry and cold. At length the tumour prevents the prefage of air through the nothit and affirmes the Shape of the parietes of That haftafor, It he comes wisible in the auterior harrogthe nothil and alto behind - great meonvenience is experienced from it - The lyer an sufficied with tears from an obstruction of the natal duct_ Sometimes there is no hair -The Enslacheau tube being closed the henring is affected - The Shape of the hearing is affected from one of face becomes charged from one of mostrate being smollen to the turnous ulcerates, the



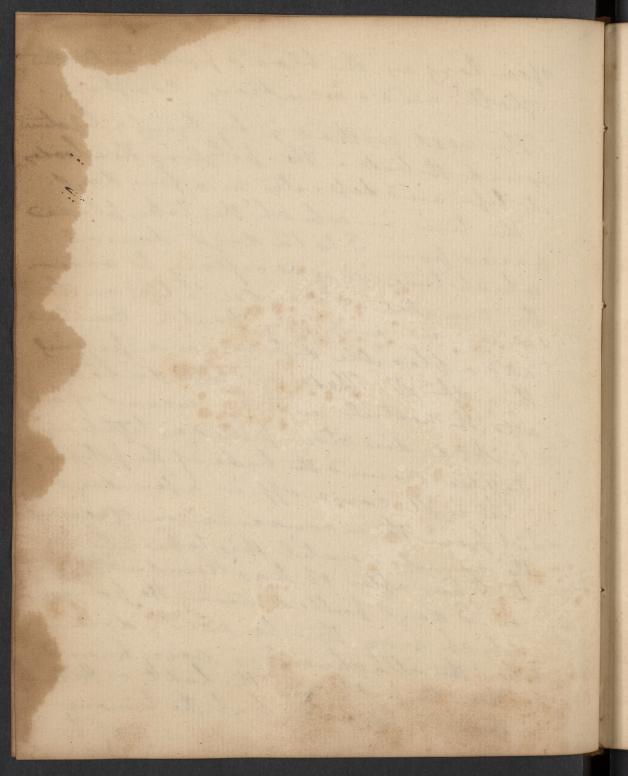
bone becomes carrows and emids a foted savies - the teeth fall out and a fungas shoots out from the tockets The canter of polyhir are not known But they are Land to be preking on blowing the modes - This however will not produce them_ There are it is said, I kind, of them wir Mild and malignant but this sitistian is incorrect for they are all mild at first and before they ulcerate -There are 3 methods of extracting Jolyhing from the note 2? Pulling them out - 3? Pafford a wire round the root of them in such a manule as to destroy the circulation and Thus cause the death of the polypus and its Separation by the absorbent They Severally originate from the inferior turbinated bone and sometimes extend backwards to that they may be feen posteriorly Butordud



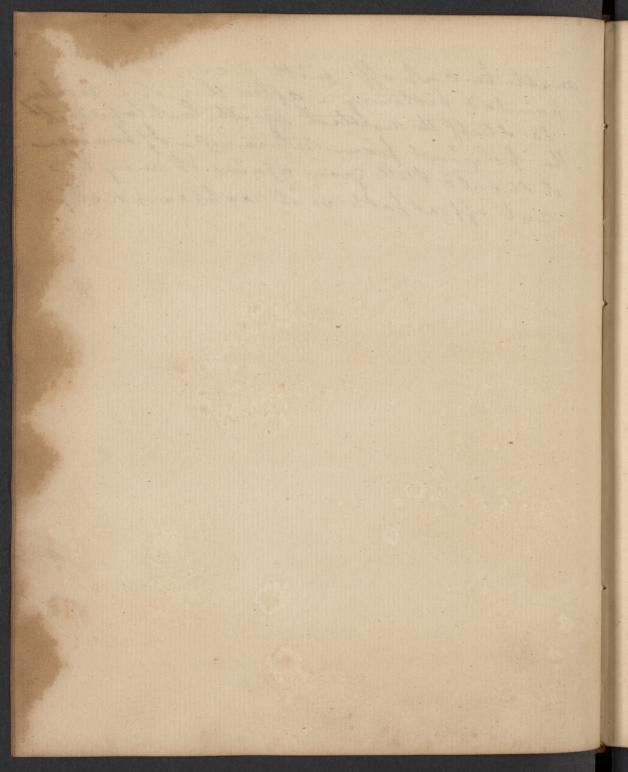
But over if A the not it is in the power of the Inform to catal hold of the polypus and hull it out I Diffreten this method because it tears away the root of the detecto and Lowetimes even brugs with it a portion of the turbinated bone and thus prevents the polytins pour being reproduced_ The homorrhafe which fourthing succeeds the excision of polyhors has induced singeous to trefer extraction by the forechs -The homorrhale after this operation is contiderable but not alarming-Dr O, has never known it produce bud affects -The most expeditions made of removing polyhus is by cutting it off and when it is attached by a narrow base this method answers very well Hut when the halis is large it is not so elifible; many incision, are then necessary, the bust of them brings blood and the hatrent cannot beeply months

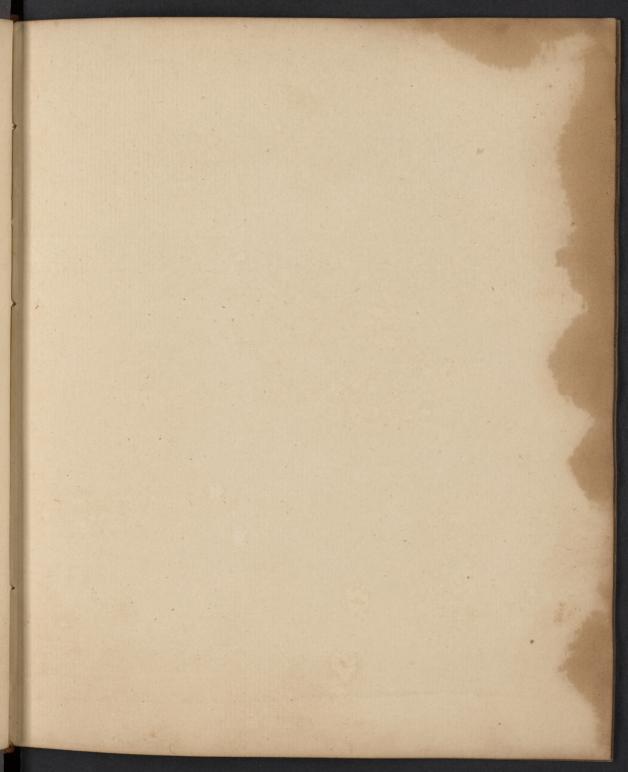


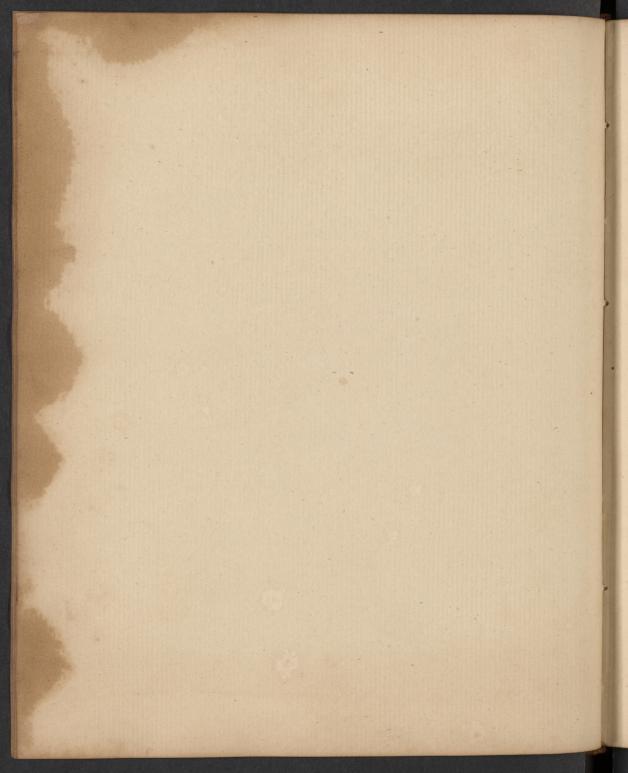
open long as the blood fulls cuto the glothis and oceations coughing. The next wethor is by tying a lighten round the bake. The polylens thewloods its life and Leperales in a few days. The time in which this take places varies from 3 to 12 days during which time it is needlary to wen The canular. In order to typ on the wire we employ a Double Camba and ablesible tilver wire pulping through it, These are introducted into the nostril and by means of forked director pulled as light as hapible crowns the bake of the polybus, It will come off in a few days but from the inconvenience aprearing the canula until this takes blace DP. has after it has remained & or 3 days pulled away the polybuy which may then be eatily done When the allachment is very broad weither the first now the last of these methods is featible but the tumour multhe

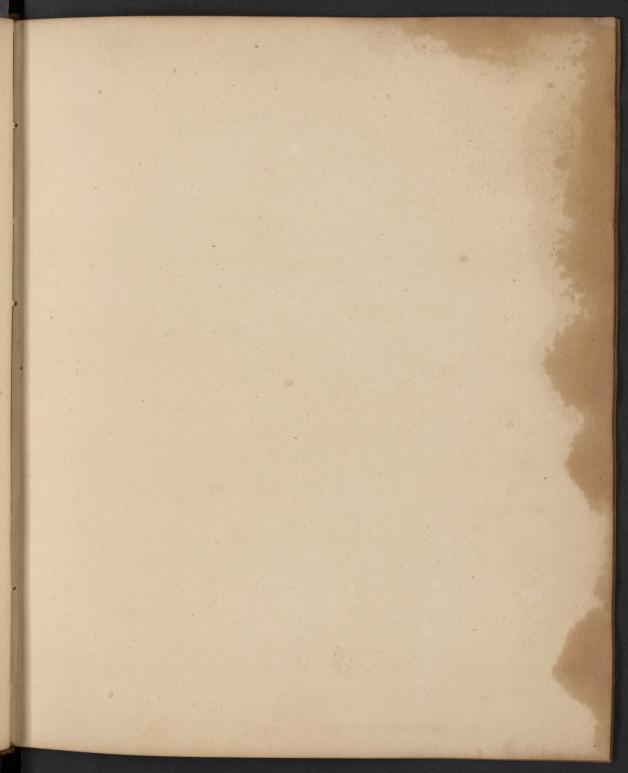


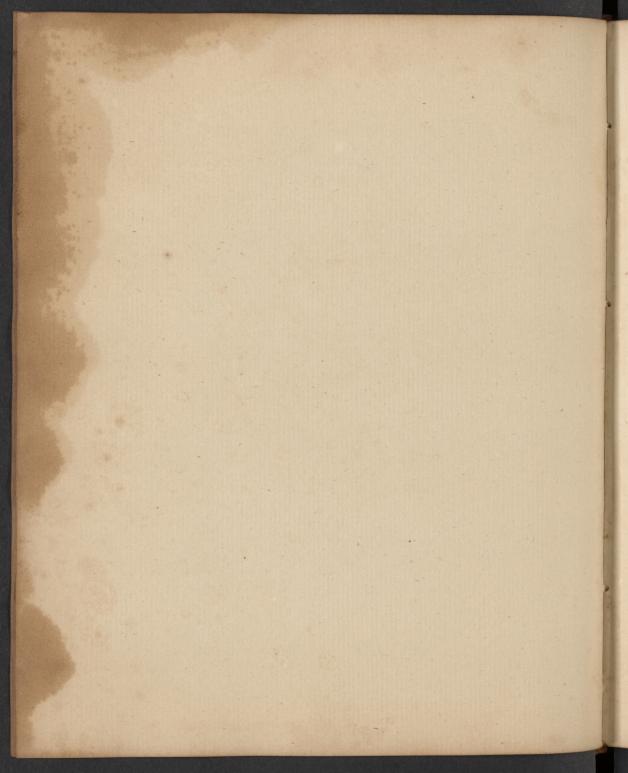
must be cal off with a curved blund pointed bistowny, after the it is needly to stuff the notated froith link to present the polyber from returning - If however I should till grow again it may be cut off as fust as it realpheaus or elle

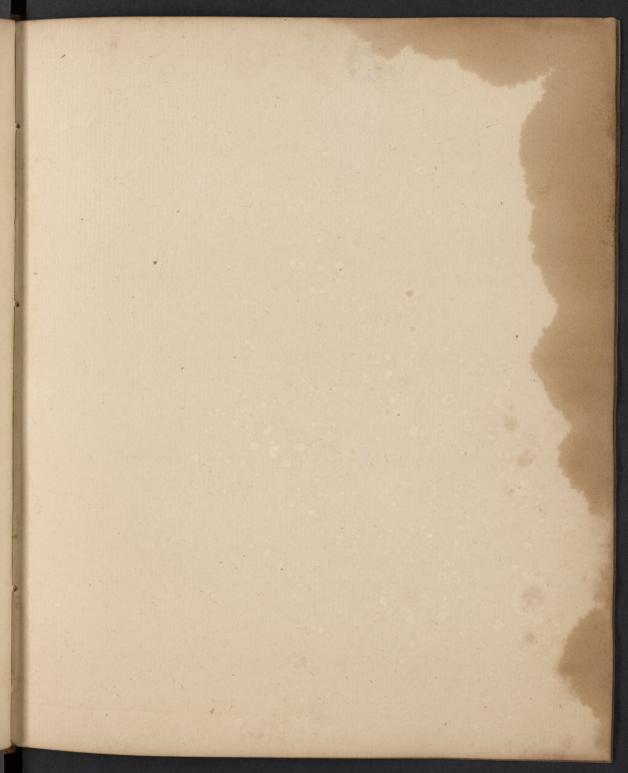


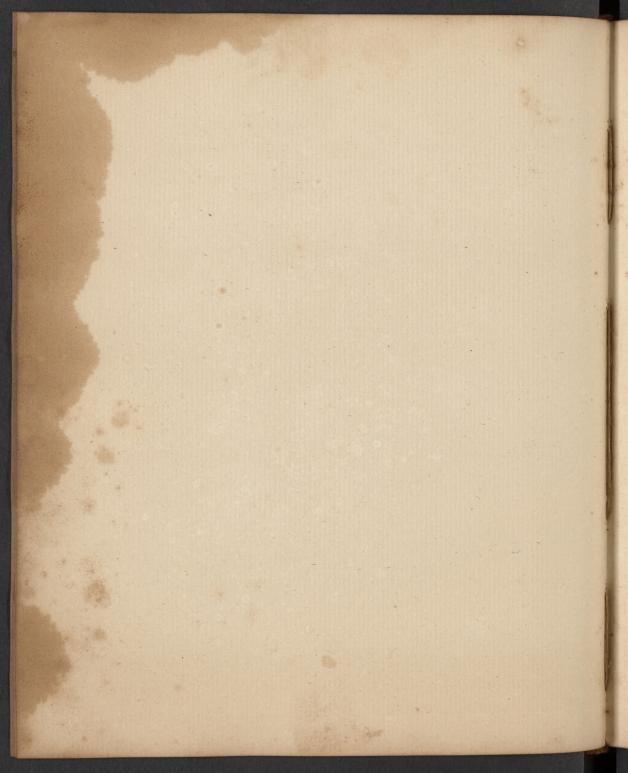


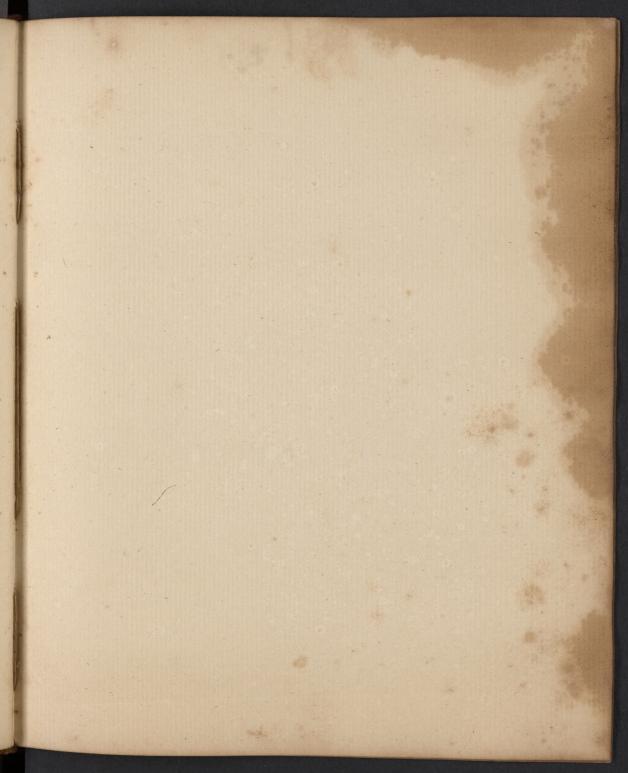


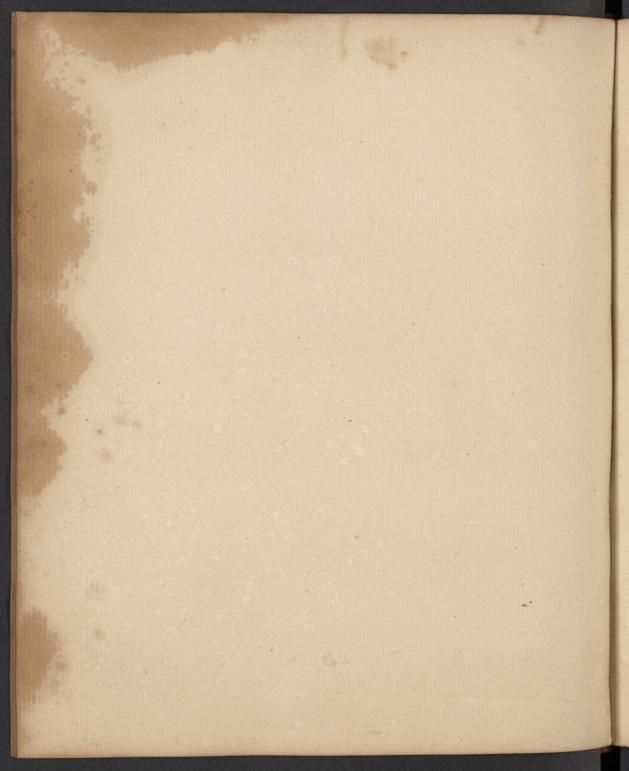


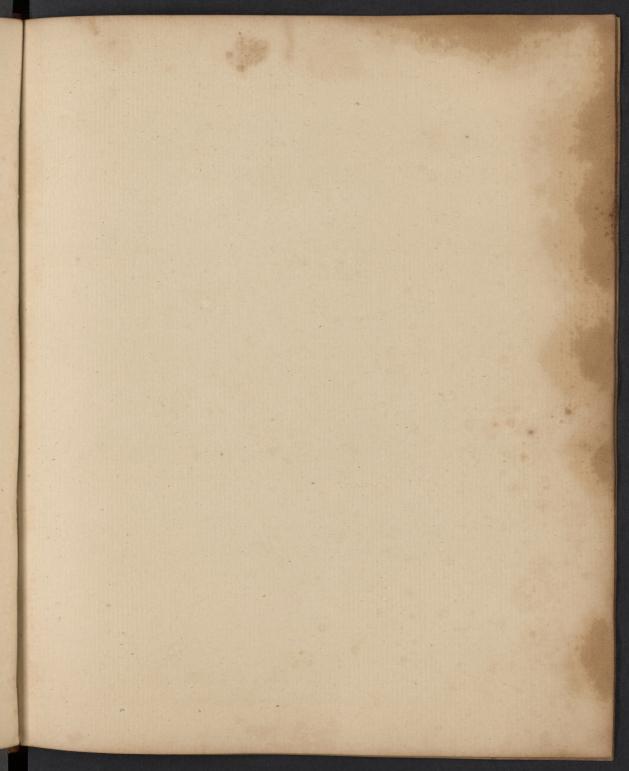


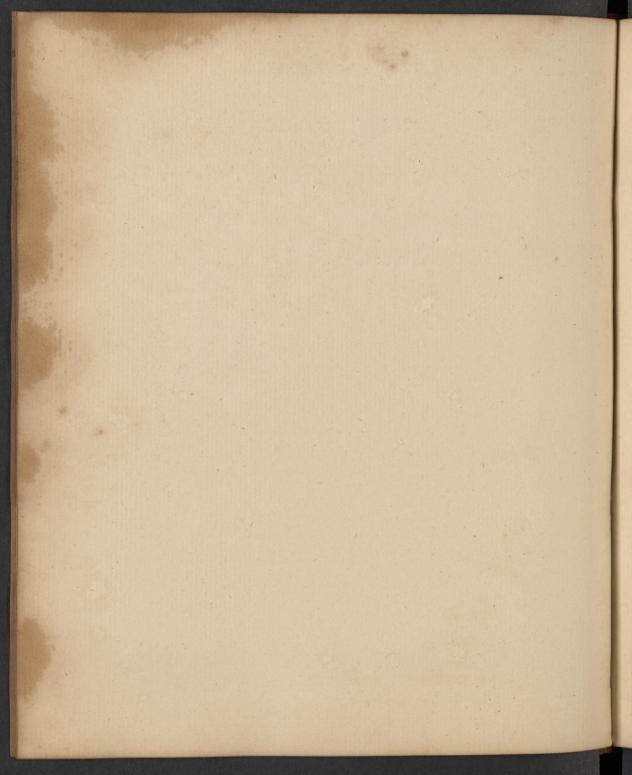


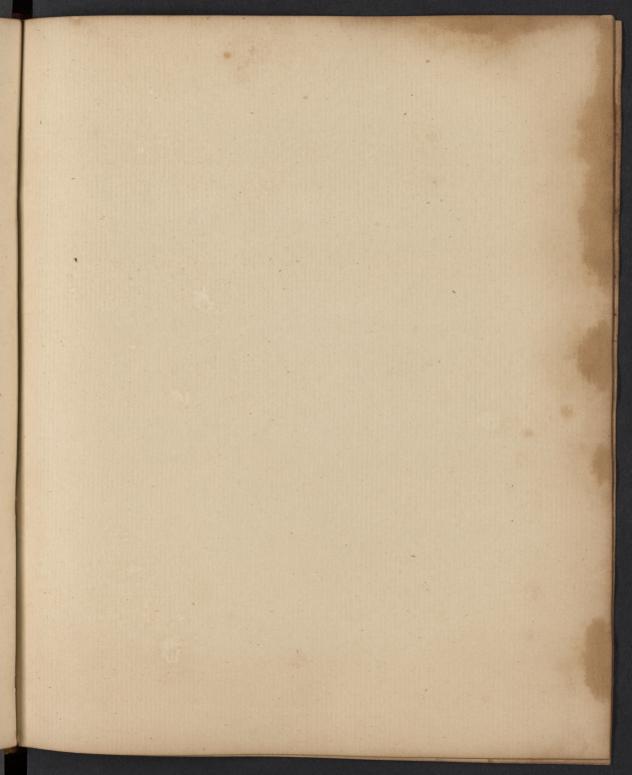


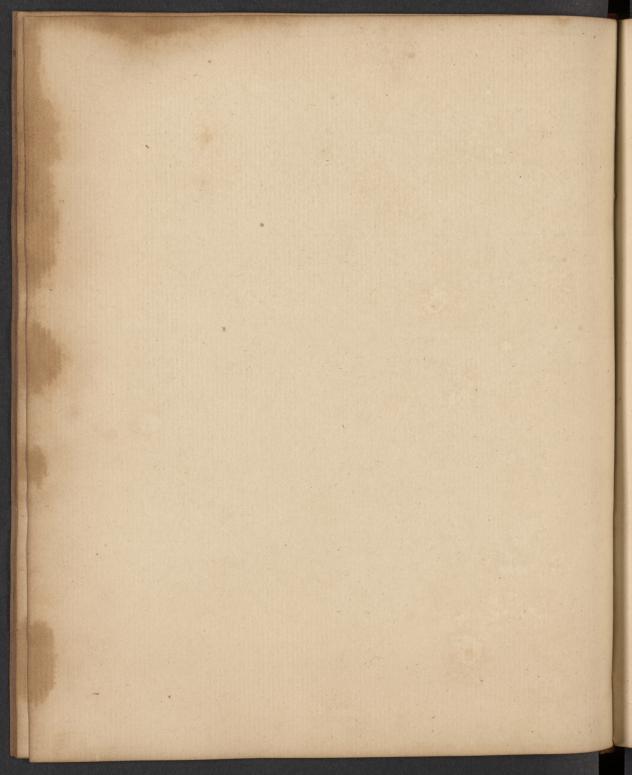


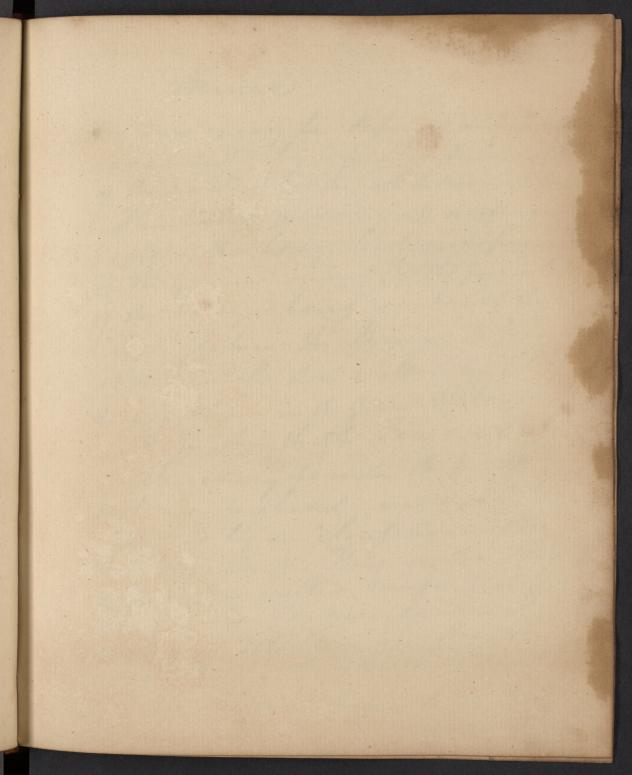


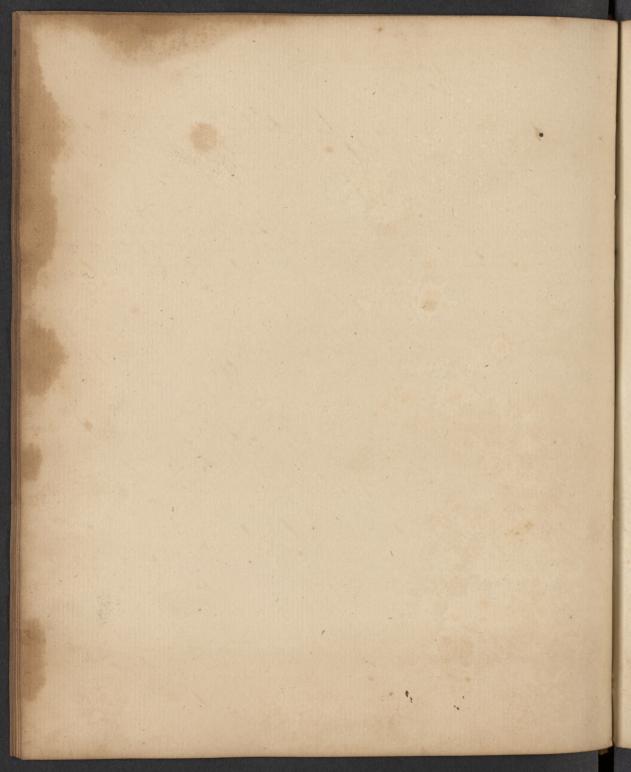




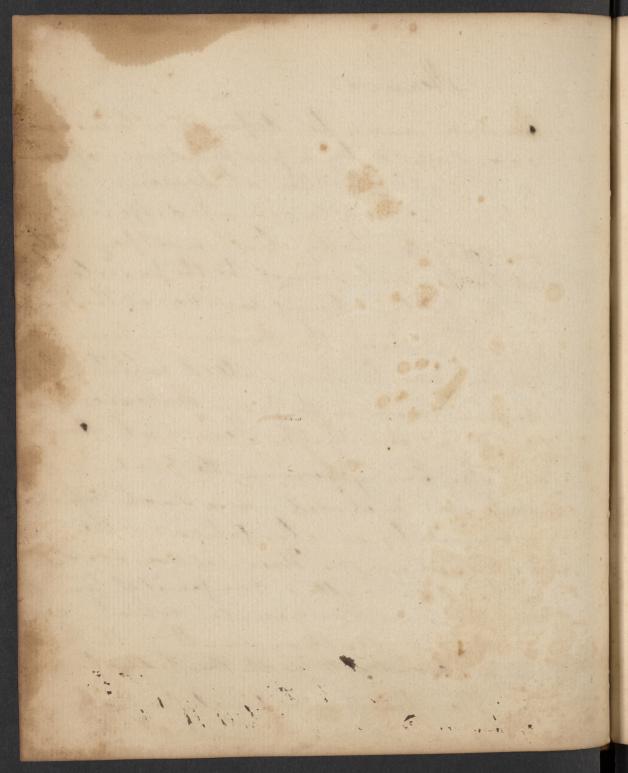




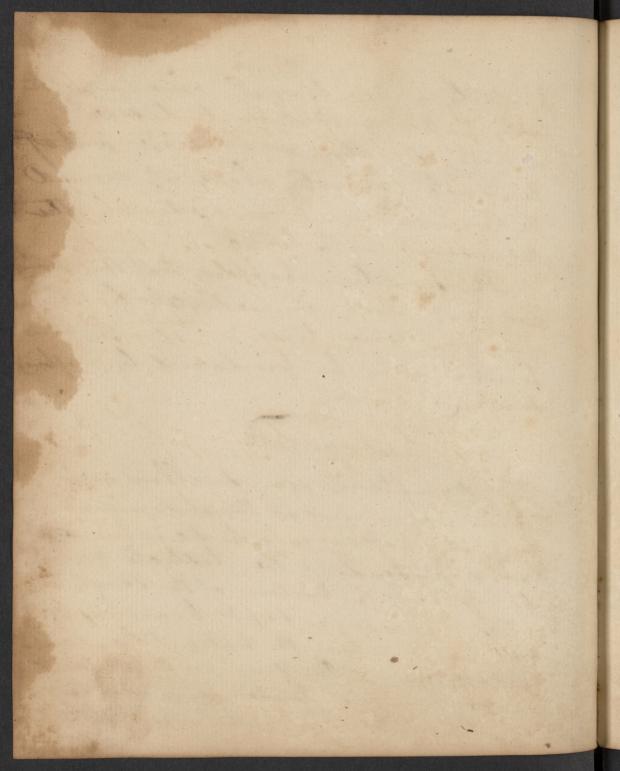




Hernia Herma may be defined a tumour occutioned by a protrution oftom of the constent of the abdomen 1 ... I This tates place at different parts of the body but most pequently at the from owing to the purietes of the body being weaker at that fent I me tohen the tumor is found at the nanch Ais called umbilical Lemia when in the from Babouocele and in the thigh Femoral Herica and on every herria the trotuded part are inclosed in a sack which is formed by an cloufation of the peritoneum. There is one species of hervis called conforital herris worthy of attention with the testel The terrica nafinalization in hicking proberty a

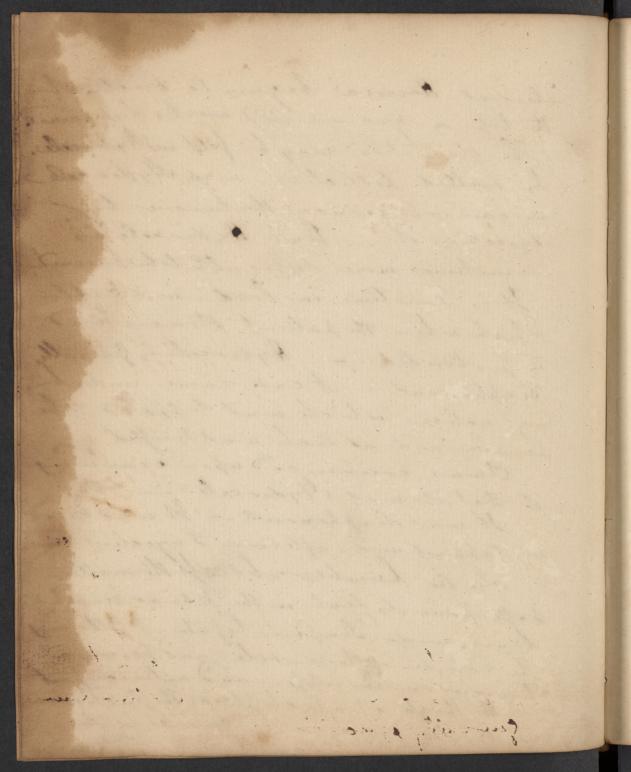


property a peritoneal covering of the testing pulses with it in its descentiff into the scrotion The whole puttof This Lack generally closes whe arought the Spermatice cord immediately after the descent of the testicle It sometime happens that this opening Joes not close immediately but remains open for some time - In this cale pernia may be produced by confline Incering Leo de Bubonocele The symptom are twelling in the from beginning at the abdominal ring and happing into the be roture and labra pudendi. The testiete can he felt at the bottom of the Seroteum. The tumour, is toft bear, hundling well and when the tentient lies down Oitappens - Oneffere on the abdomen makes it more tente and if the Lingson lay his hand on it while the patient

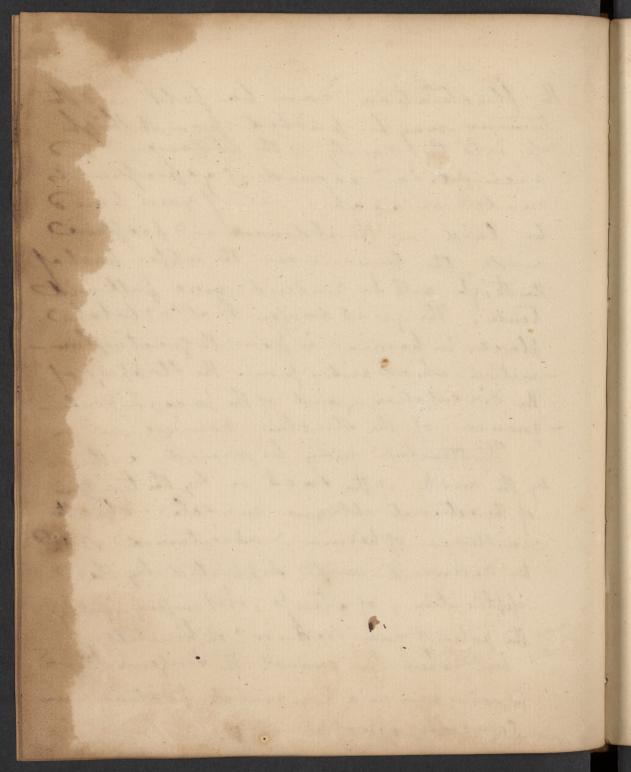


Informalay his hand on it while the paternt coughes he will a preform made afainth his hour conting a dentale ad if Novem blown into ___ There are some disease, with which herria may be conformated as buto swelled testile, lumbar absect and hydrocele but by having attention to cygunthance it is early to detlingenth, them Abuba is Severally breeded by a charcere, is hard and priniful and the tumour Loes not disappear on lying down . It is likewish eate to Fittingwish between bubonocelf and swelled testile or by drocele. We testicle is hard and humpals to the touch, is only found at the bottom of the scratum and the spermatice cordo. can be truced to the abdominalring I which place it is per from I welling. In hydrocele the tumour befins at the bottom of the Scrothemand works whereas whereas fermia

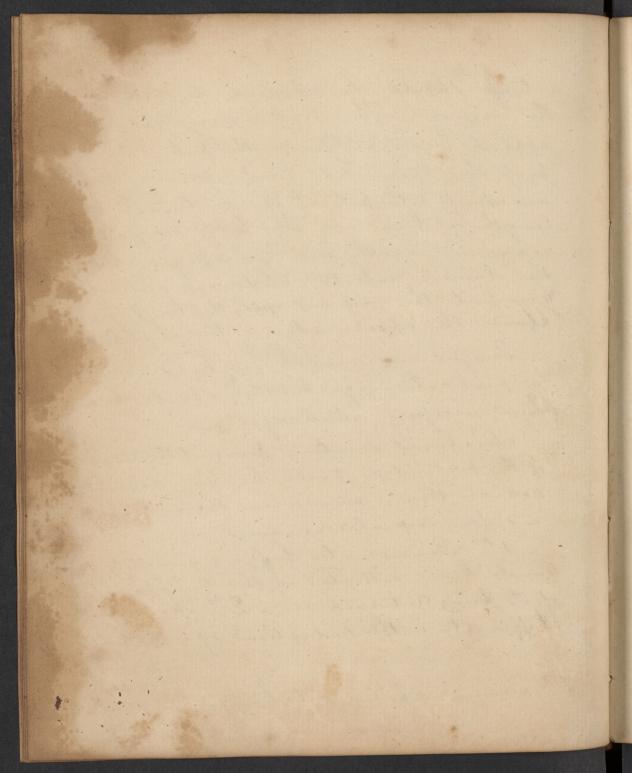
he was made to make the standard and along the had been the that the English alter to the transition a the to distinguish fine in a desire colles loken a anied hatteren he a contract to the second of the second in the livered to the abovernment whereas Herria beging to swell at the top or grown and works downward The fluctuation may be felt in Mydrocele. In swelled testects or in Mydroceles we cannot reduced the timous by Aquecring it - But Hy diveleis Lowetimes more difficult total known It is sometimes inclosed in acide which when the putient strains hand is protunded - Hydrocele's Jewially Diaphonon - A case came under my notice which was supported to be hernia and as such was truffed I was convenced whom examining it that it was Hydroceles ____ It was diaphonous ~ It was ened by takking and afterward uyecting win. In the lumber absects the matter paper pour its Lead in the proces huseled down under Souparts lefatuent following the courte of the muteled and forms a tumour on the when and autimor post of the thigh of which place the fluctivation can be fell



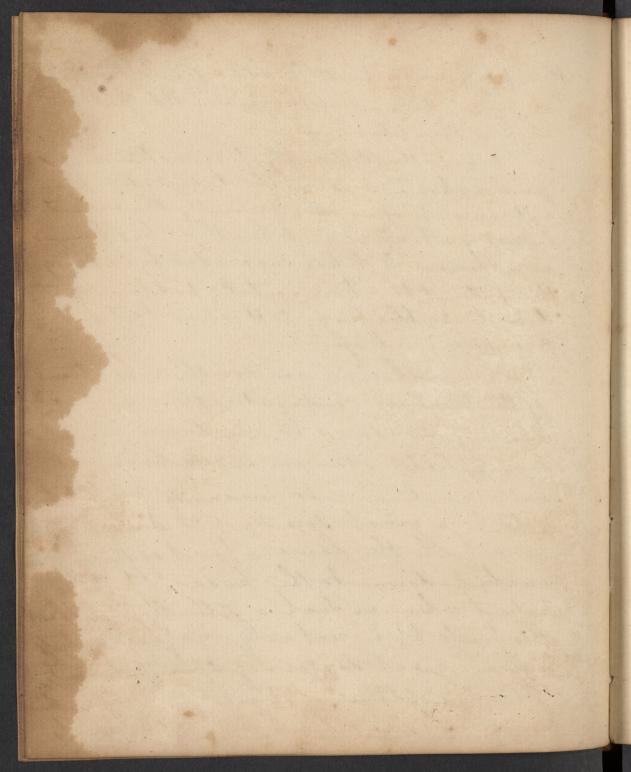
the flictuation can be fell-and the up into the t cavity of the abdomen and ree werka according as profum is made on each well your hand be laid on the abdomen and prefine made, the time our on the where build the thirt will be rendered more full and tende. The great danger kiable totate place in hornia is from the great inflam-- mation which arises from the stoppage of the circulation and of the faces in Conke-- quence of the streetine coming on This structure may be formed either by the nick of the Fack on by the tendow of the external oblique makeles, when the existence of herrica is ascertained NIN. be reduced and Supported by the application of a truft, Not impregnently the patient can reduce it himself but when he cannot the denge on by placing him in a horizontal postine can generally effected after whichatrished



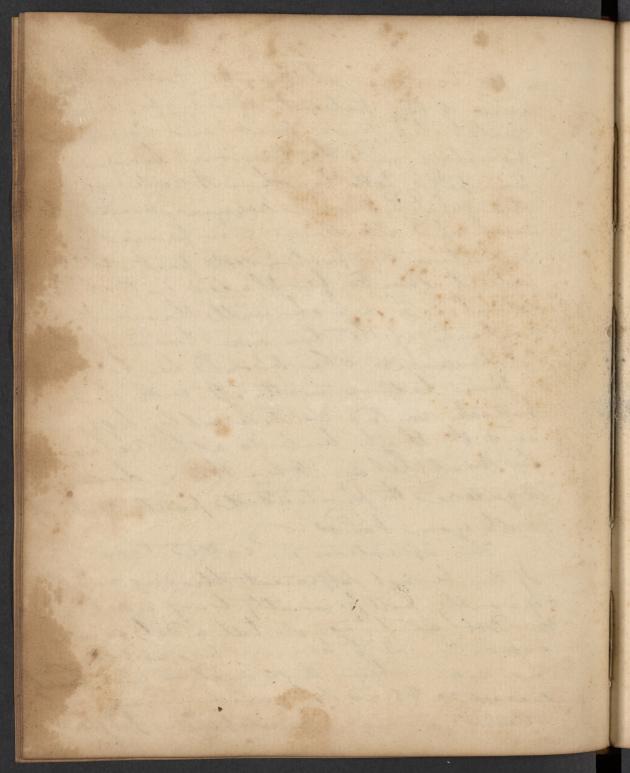
a trup should be applied duetly over the orifice. The truft is very generally applied immediately over the pubil to as to prof the spermate cords giving great measiness to the hatrent it continued any longth of times on the best ways to examine exactly with your finger tracing the tumour into the abdonieus and when you find the orifice apply the truft jubbos above the uppers edge of the as pubis as Irufses are mastly suployed only for a particular age but they should be outly so when needfrary at all agas in Whetures sometime prevent the aduction of the protunded parts but we cannot always reduce them even when there is no streeting and for several reasons. 1 st Because too Lafge a quantity of of its being returned in the tumour totalland difficulty in the reduction of a partis from 3. From adhesions taking place between the protuided



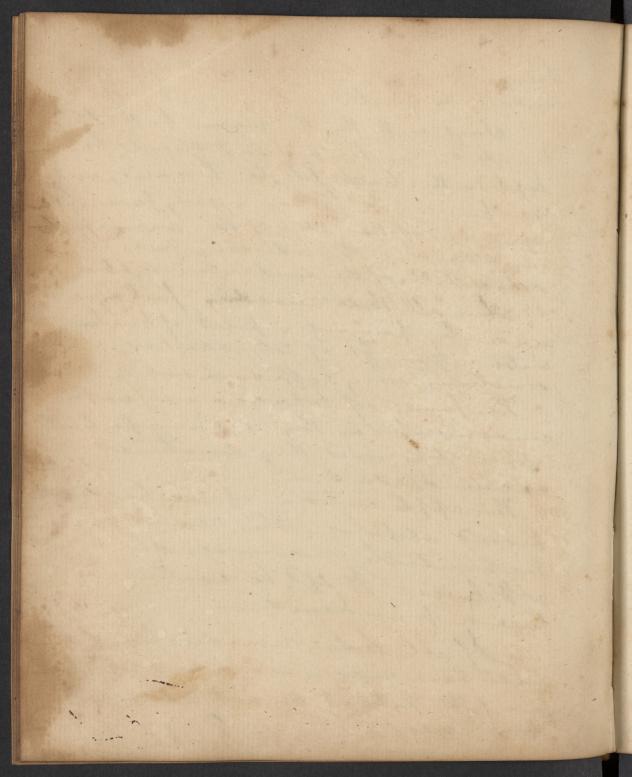
the proteinded parts and the sides of the opening or from adhesion of the protruded parts within themselves on when the Officially of reduction wises from adhesions as in the tableake its will admit of no other remedy than the support of a trute of when there has been no adherian Dr. has succeeded by Confining the patient to a trois and ab position low dict bleeding casharties Le and therapplied a traff. When adhesions render the reduction of the tumour impracticable, a sal made justo to as to contain All be applied otherwise the herria will continue to increase till if gets to a great fire of Saw and I'm which the lower part of the Sac reached down to the knee ! If the patient when in Such a Tituation neglock The truth he is not only in great distrit but in great danger of strangulation, The Symptoms of Nace an increase of hurdreft



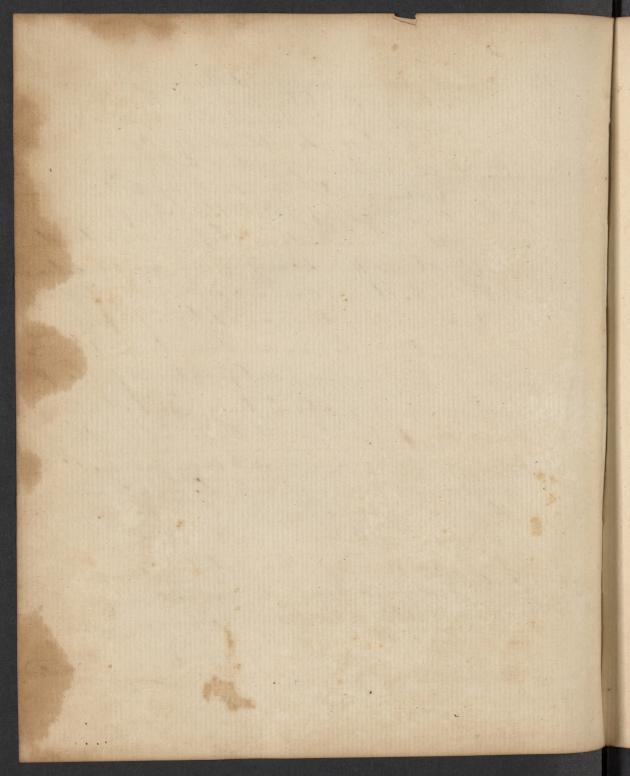
in the tumour, obstinate costiverely pain of the patient stand up, hand contracted tende pulse and Sometimes vomiting and the tumour becomes painful tothe touch A case of Strangulated hernica require, unique diste care and attention. On proceeding to return the protunded purt the patient should be placed in that situation which will throw the contents of the tumour towards the abdoment. He should be laid on a firm hed or mattraff with his buttock, raised considerably highest and the thigh bent to as to relax the muddled as when this is done I queere the protunded parts cantonely with your hands This operation is called takes 5 If this be not Suffrescent bleeding very model will presently be of use and ensues of Def. haven has not seen one cake where the reduction immedeally Inceseded VS. ad delegaccumpaniones Catharties are also useful as Jafah



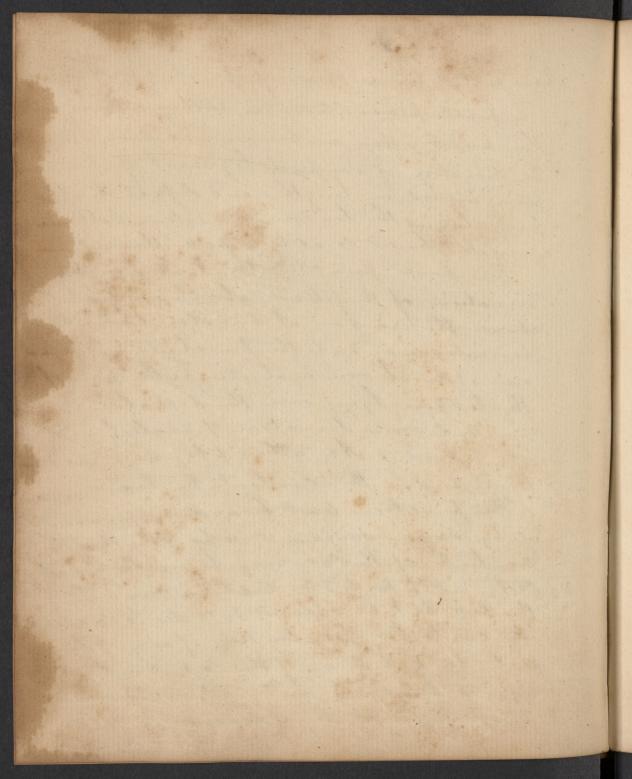
Juluf Heren, Inter with oil of went antwers very wellalong with this the warm buth the? be used. . The patient thould be kept in the bath till be became, very went. It has a very favourable openion of the use of the course butter in beinia I produces a feweral relaxation of the materilen typten when all theto remedies fail mycelian made by howing a trent of bailing water whom Zi of totales are sometimes very / efficacions a The firme, of tobacco are not so convenient on they regime a particular apparations and they Sometimes excile Spalmid The application of ice has someting brosed udeful This remedy is farticularly recommended by no Wilmer - H. Sho. he continued Three or four home If all these remedies pail we mutt have recourse to an operation for if the patient be not relieved by forme means he soon from works



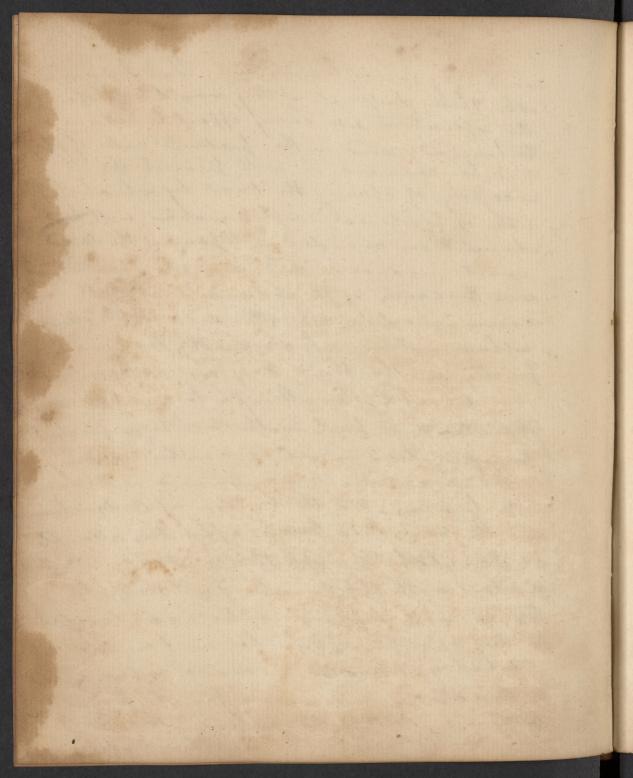
The sickness becomes more distressing, the pain is more intente, the belly swell, the fever runs high, hiceough cold tweats to ensue, but after a while these symptoms cease and the hateent thinks himself getting better, and in some instances the contents of the tumous voluntardy go up but the Symptoms soon return work than before and death quickly clases the scene from mortification of the intestine coming on will is difficult to tell when is the exact time for performing He operation, because sometimes the prefere produced mortificational the Lowely in a very short time and at ather times the patient will bear it for three four or five days and then get wellif the above rowedies fail to performed in A most 36 hours after its convincement if the fyntitones of Strangulation Benain 3 I soffence Inchesed in reducing the tuman after all other peniedicsfailed by raising the faut of the bid considerably highest he this case the tumour to could in the course of the highest me There are two methods of operations



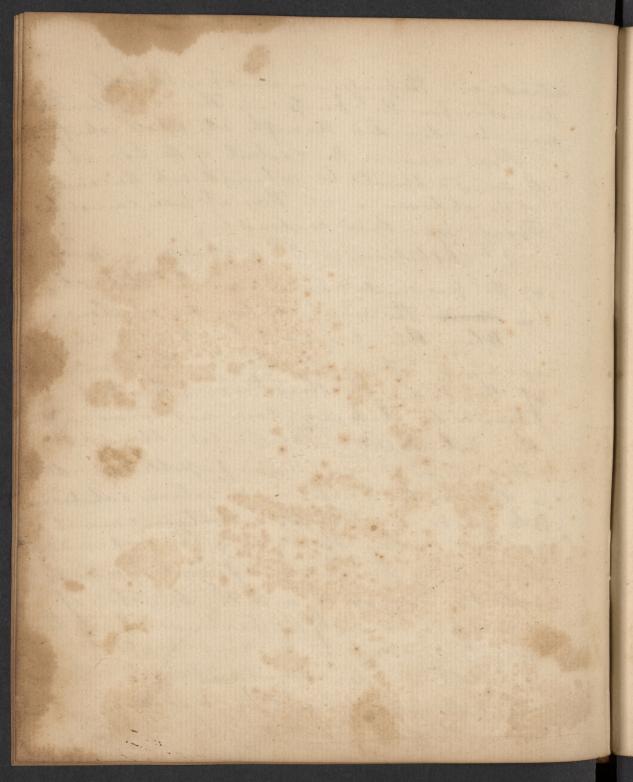
There are two methods of operating fortherina The first precaution is to Shave away the hair, then make an incision in the direction of Pouparts ligament of about for inches in length and defect the appe part laying the tendow of the external oblique muscles bare so as to expose the ring This down puncture the tendow in the Question of the fibres about an inch above the tring - A director should then be introduced at the princture and papers the tendow lying over the director is divided in a ducetow parallel with is fibres. An attempt's now made to raduce the contents try taxis in This practice has been disably round of by Some Surfe and who day that the contents of the sac may be in hele State as to forbid reduction and that the Sac Lhit he opened in order to examine its contents; for day they if any of the parts to killed or if the Tac contain and berum and it he returned in that state into the abdomen it will



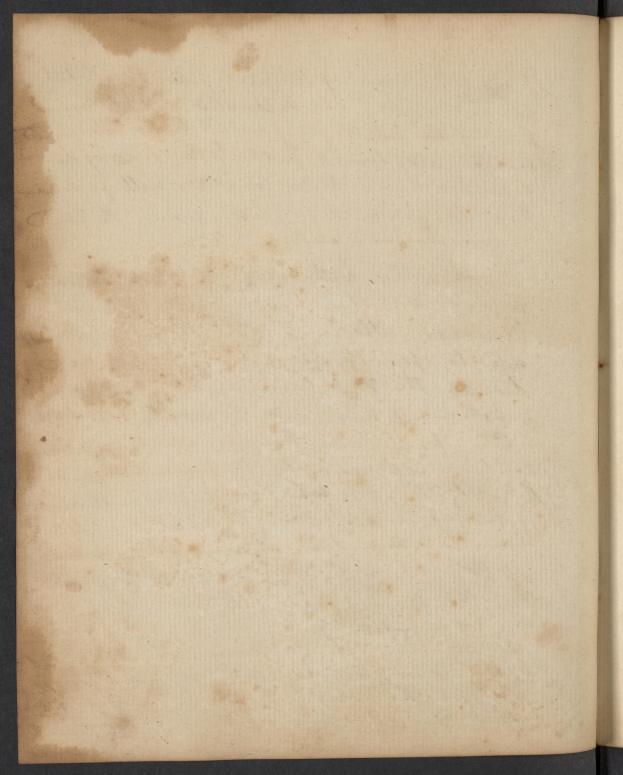
occation great inflammation. But I want I able these surgeons if they would not before the operation use every effort to reduce the humin's and in the present cate if it can be reduced it will brevent the 5 necessity of opening the tack by which the rible of peritoneal influmnation will be obviated or avoided - Thening the Sac would produce a communication for the air with the cavity of the abdower and all Such communication are attended with triolent inflammation which mostly terminale futully on the third day or dooner in hauld the attempt to reduce the Meprotraded back in the Sache neifte chial The aperations much be continued in The incision is continued in the durches of the tumane to the bottom of the Scrating and the sac is laid base's after this attempts to scratch through the dae the hereficatory made with the point of a sculpely trying with a probe after each deretet to say of a puncture he not made. when a puncture is made introduce a director and with a blund pointed bistomy enlarge the orifice to as to introduce



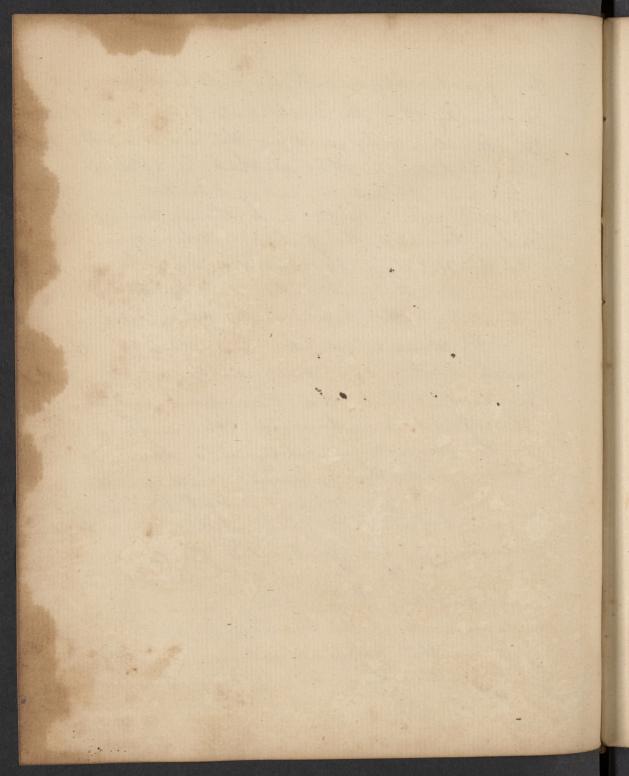
introduce the finger which is the best director for the knote on The dae Sharla now be divided through it, whole coleret. Next comine the contents of the Lac which of sound should be returned into the cavily of the abdoised . O This at times cannot be Tome for three reasons of a change in some of the hotrated put on 3. Alterday I'm some the neck of the Sac alone When this cannot be done and account of a strecture in the mouth of the tack the street use is then to be Divided lakeing care not to would the intestines. The burger should be introduced as for as passible made to direct the knife on Voinctimes adhesions take place to that the intestines council return when the dae is lais apen; These may be easily deperated either with the fingery or with the handle of af weather fruit the altered in shapet the roug thould be dilated in order to admit af its return except of be formed by ordentum, then the alterest hart may be cut aff.



If modification of the protunded hart take places Ath? The depended and the Lamid part of the intestine found by the interrupted dutine and sewed fatt to the side of the worked in altho the face, will for some time be evacuated at the Som the warms in general hear well Altho in bubonoccle it is hell not toopen the sae if it can be avoided yet in Temoral Hernia Dr. P. Muck, it most safe to open the hernial sac and then divide the Mictine in the sac here is estremely thin and I carely tothe Seen, On performing this aperation great Cantion is regulable to prevent wounding the intestines. When cutting near the mech of the sall we should be careful not to bear to either side because on the outsite of the neck of the benial bac pufses the Epigastine artery and on the inside of it the Speniatic intery cord cropping each other directly over the Strictured part tothet if you cut toward the inside you will wound the Spermatic cords and if on the outlide the Spermatic entery and if posterioile the Spear bloodiffe,



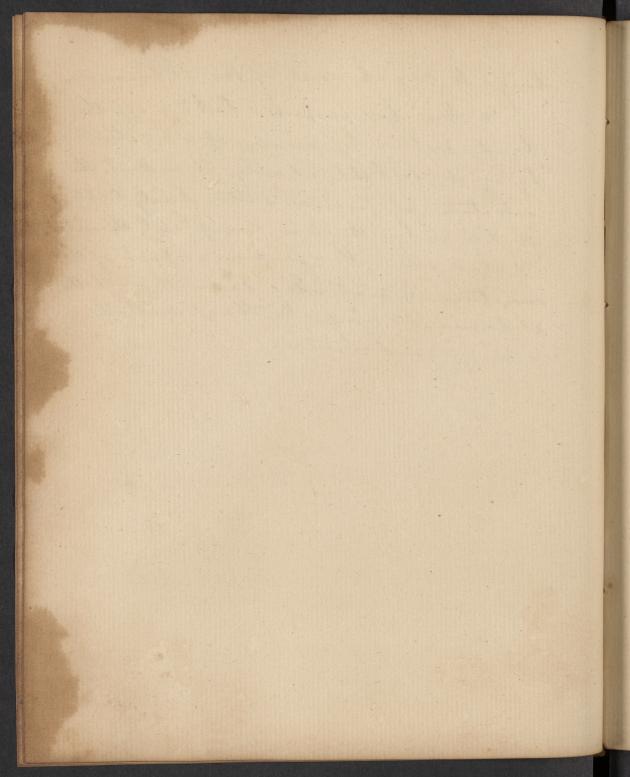
the great bloodnefsel, will be undangered. To remedy this Mirinbernate proported todalate the stricture by making the meilian boward the pubis of this method is after opening the Sac to introduce adirector or the finger along with a bistomy having its edge toward, the pubis when you came to the thickne the incision is to be made toward the pubis dividing the threatme So as to cut behind the spermatice cord. De Muno advited to cut from the neck of the said toward the navel so that by keeping that direction you mightdilate the stricture toward the angle formed by the epigastice artery and spermetic ledd and thereby avoid cutting either. Mirkey supposes that the femeral liquient formed the chief of theretian to the reduction of the protunted parts in Read Sott Hay and Cooper un. Sometimes the Huger cannot be reduced on account of the dualbuefs of the aperture. When this happens introduce adjustor under the Miclime and then with abillowing lay it open sufficiently to reduce the protested furt - If the protected purt of the intesting

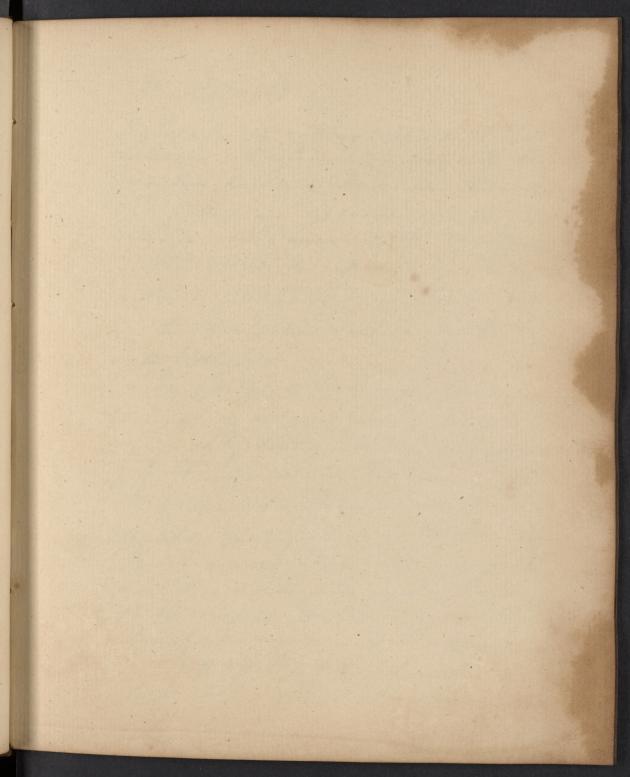


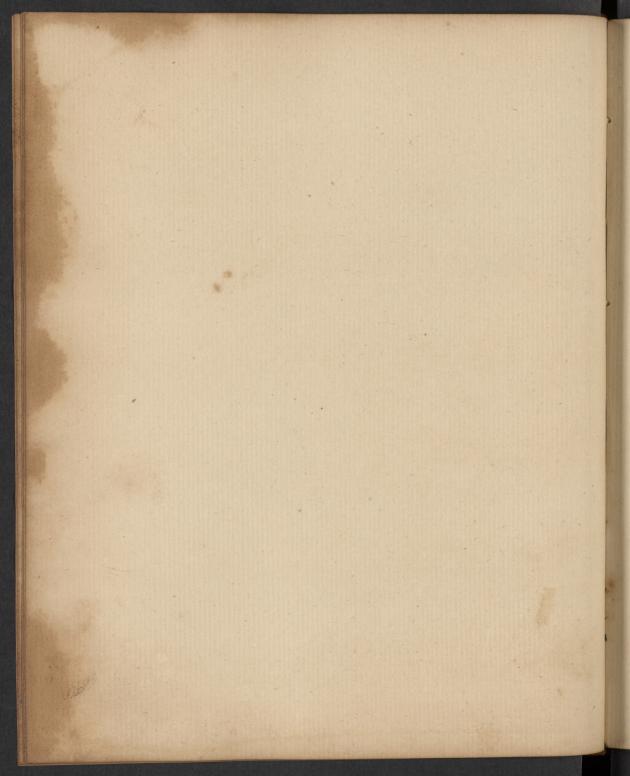
be found in a gangrenous state that part must be removed taking care to cut through a sound but so that the dead portion may be completely defended and the Land part Stitcher to the side afthe wounds The inlestines should protrude about an inch. The protunded parts will in time at the wounds heals withdraw Themselves within the abdoment As they are drawn in the adges will Come neuser into contact tell at length they will write and ferer aperfect canal-Completely within the centy of the abdomen and the fatient will discharge his face, the natural every ... Sometimes the obventure is found in a state of spacelation; it should never be returned to within the cavely of the abdomered or else the dead pertion will cante peritowed - inflammation - The fold, much be should out to extricate the intestined and the mortified part may be cut out with a pair of Selfans I am artery is wounded or divided it may be taken up leaving the lighting

CA CONTRACTOR SERVICES Charles and the Boar we have been all the same and the sa

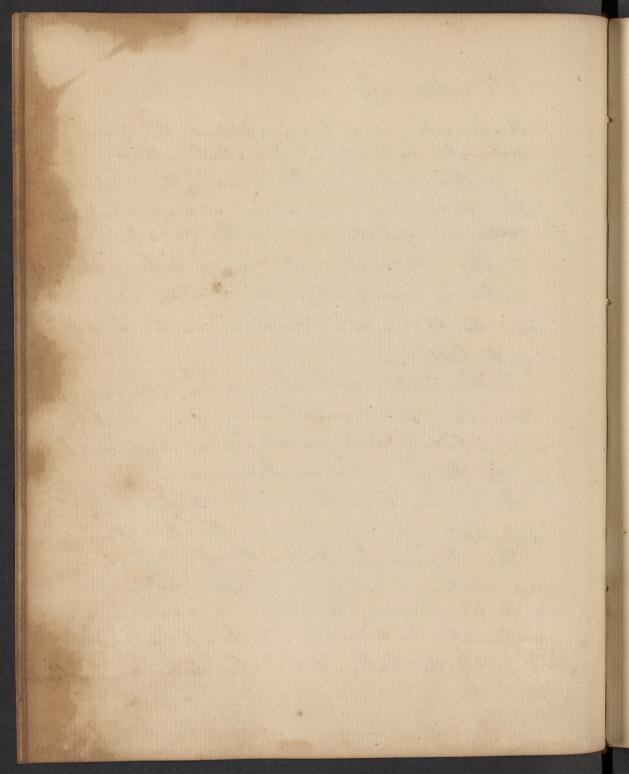
long to reach out of the abdoment of pur Hey has proposed taking aff the deads portion by means of a legative tying it so tight as any to indeed the orientame at first and their daily tightens it till at length it is completely defeated. And when the gaugeenous purhof the omentum is protructed down through the owner time is protructed down through the abdominal roing Mur Hey methods is, a very good one?



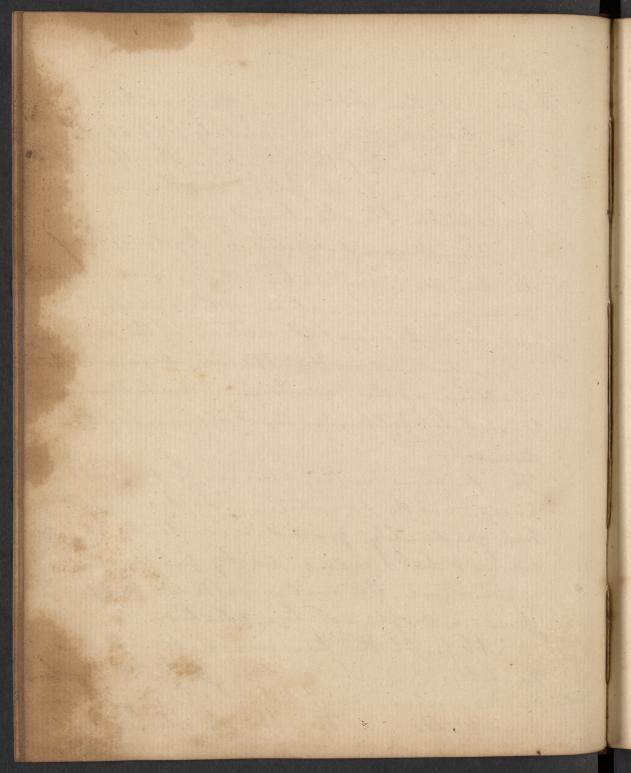




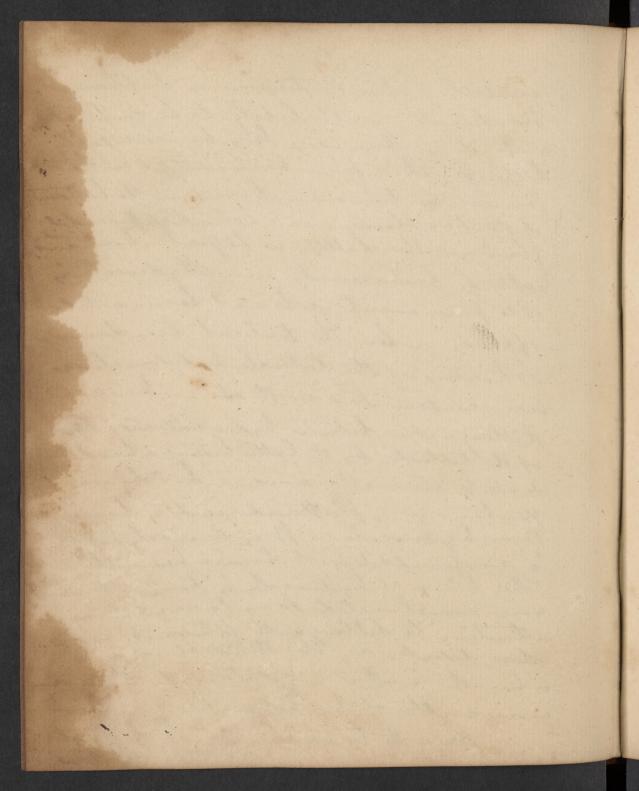
Hydrocele -Agdrocele is a term applied to a fueter-- natural collection of water in the Scroture. of this disease there are three species. The fust is an effusion of water into the cellular substance of the revolune
The second species is when the water is contained in a cith of cith on the Spermatic cord or on the body of the testing The first which's an anabacow tumour is a symptom of general drops, and is eatily distinguistied from hydrocall of the tunica vafinalis our Mis of a Smooth equals surpased and is diffused equally all over the scratum, The tumous has a doughy feal_ indentations may be made by prefune with the finger, the skin is nearly of its natural colour and displaced on & If the patient he down no dimination of bulk takes place in the tumans in The Swelling begins if the bottom of



begins at the bottom of the scrotum of The testico can be easily feltables commencement of the disease on the spermatic cord can also be fell but there is no perceptible fluctuation on The Second kind is Androceles the tunica rafinalis on This is awinfeether to an enceated action of the exhabit mefter or to a decreated action of the absorbent The Swelling in this the in befine at the bottom of the Saraham The latterlocan be eatily felt at the beginning of the disente The Swelling in this Species begins at the bottom of the scratime saftal fith but gradually grows more tente and cannot be reduced by buffine -Sometimes the water is effected buddenly pour a ruptured lyinghatie At first the tumour is small and The tests can be eatily fell but when the tumour is large the testis is not perceptible in the fluctuation is



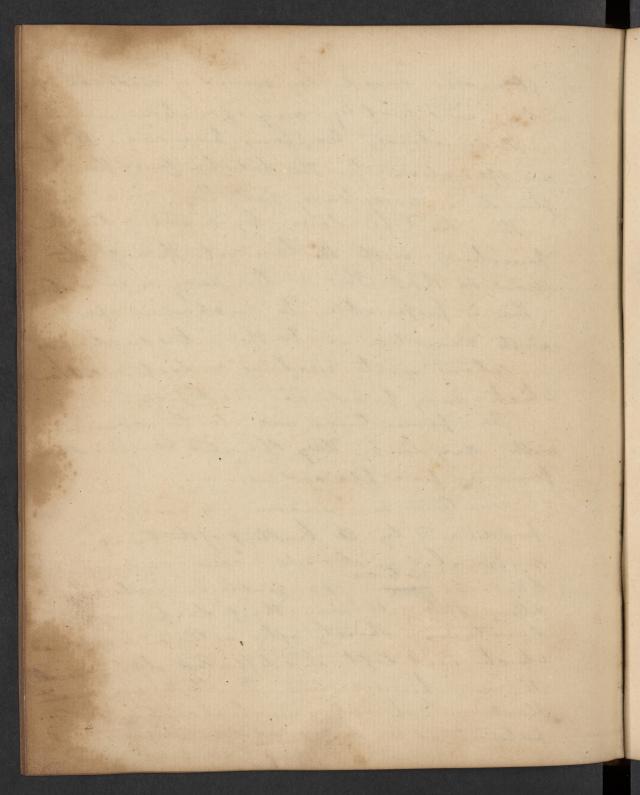
is evident and the tumour is diaphanous. The disease most likely to be confounded with it is thermia. My however labely distinguished from hernice as in the former the tumour begins at the bottom of the Scrotum and extends upwards, but in the latter in befind above and extends downward in Hydrocele's also permanent whereas herica disappears when the hateent lies down. Schirms of the testicle has sometimes been conformated with it is the can distinguish between hydrocale and a Robing of the testicle by the latter having a hards Iwilled thermatic and i hischirm, the tumore is flattened and is heavier Than by droeder. It is scarcely hofille to confound it with herica humoralism This kind of hydroccler's however fourtun many complicated to as to require much attention to dittingwith between it ando other diseases ~ He thind spices is when the water is contained in one on money Its of the Spormatic conds-Here to testicle can be fell sh



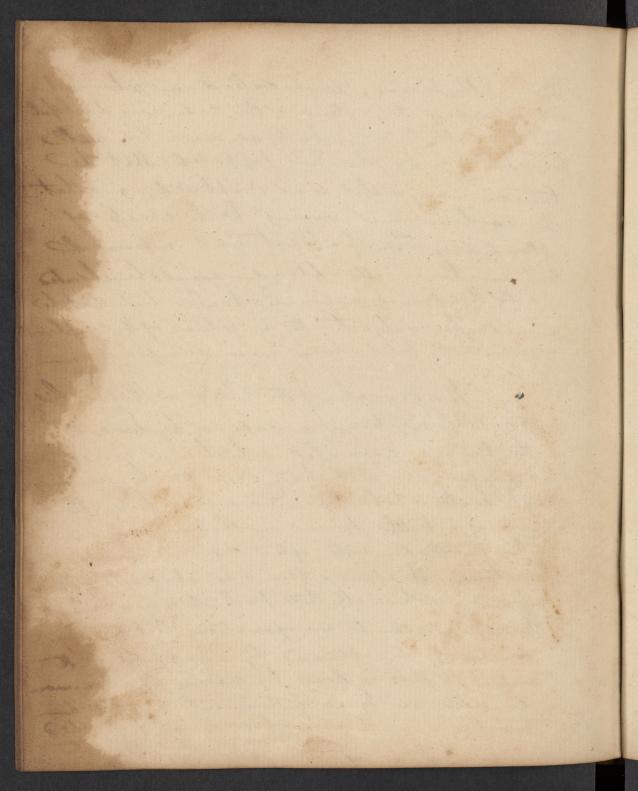
botten of the Scration. The tumom is diaphanous and swells up towards the abdominal ring and in one cake by Minks the tumour extended through the ring. In such cases there is much difficulty if we press the tumour so that the water is forced within the abdowner, the instant we take away the prefixed it will return again - Aaving mentioned the different species we west proceed to the Treatment No inconvenience results to the patient from hydracele except from the weight and bulk of the humans although in hot we ather the Skin formelians is executated. When the hatent walks about the weight of the tumour produce, pain in the back . This is relieved by The use of a Suspendory bandage which 16 to saty and is wown with to little inconvenience that dome patients refute to Submit boar aperation. the first species which is that of anatarcoul hydrocile is generally

CANADA CONTRACTOR OF THE PARTY

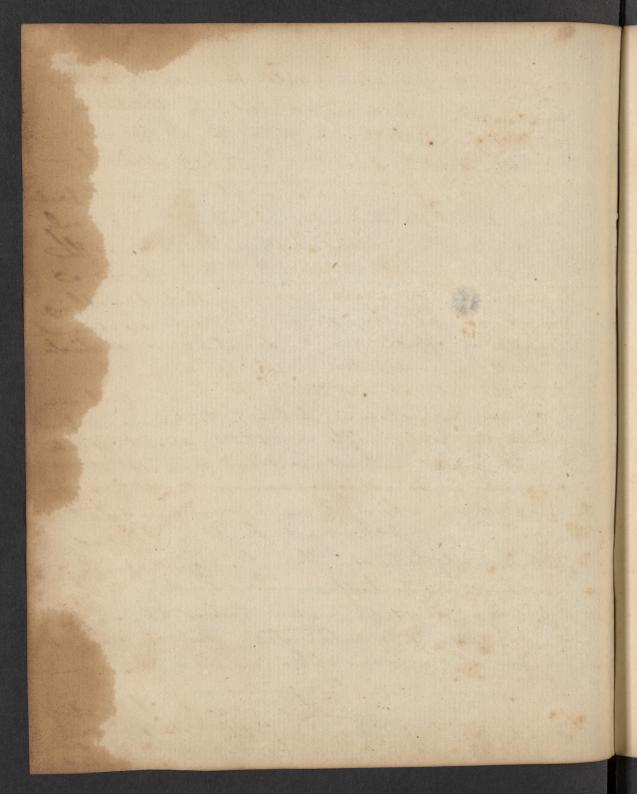
is generally could by meant of medical aid and not by any operation It sometimes happens however that an operation for the discharge of the fluid is necessary for the cine This shit be done by making hendle purelines with the lancet through the Shew to that the water may oose out. This is preferable to runking an opening with caustice or to the introduction of a setow or to making a deep incistion which may produce mortification -The princtures are to be covered with dry line. Hey the It he made in four or fice placed -Sometimes are anadonery tumour is hadreed by the builties of the time Daginalis at case came under de Obytestes and a gentleman who while bitting title felt something snap in his scrotum. Therety after a tumour appeared which was toft and differed itself everally all over his teroture. The Hair because black which very much alarmed the hatunt as he supposed mortifications



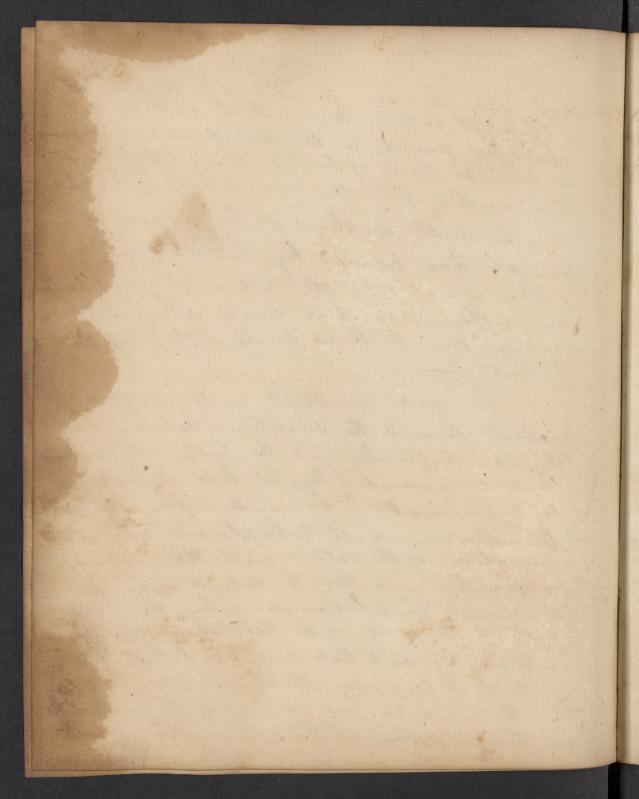
Three Thy ticians were called in who not understanding the nature of the case were doubtful that the putients apprehentions were too well founded in MirAunter pupposed that the tunica vaginalis was ruptured and that the condon was owing to the escape of blook. The patient was informedo that in time the blood would be absorbed and the truica vafinalis head but that he would be subject to a return of the complaint. All these buldections were verified in Hydroecle of the Junie a Vaginalis, De Else mentions a case of hydroceles by purging in Dif has cured in by causing cold water toke power on it from the Sport of a kettle twice or thrice aday in This method will often Ineceed in pchildren. Sometimes the effects fluid is absorbed without any aid. When all thete buil it is necessary to have recombe to an operation Relief may commonly be obtained by some astruct the water. This is done by means of acommon landed or by an instrument called a trocker " The trocker is to be public ?



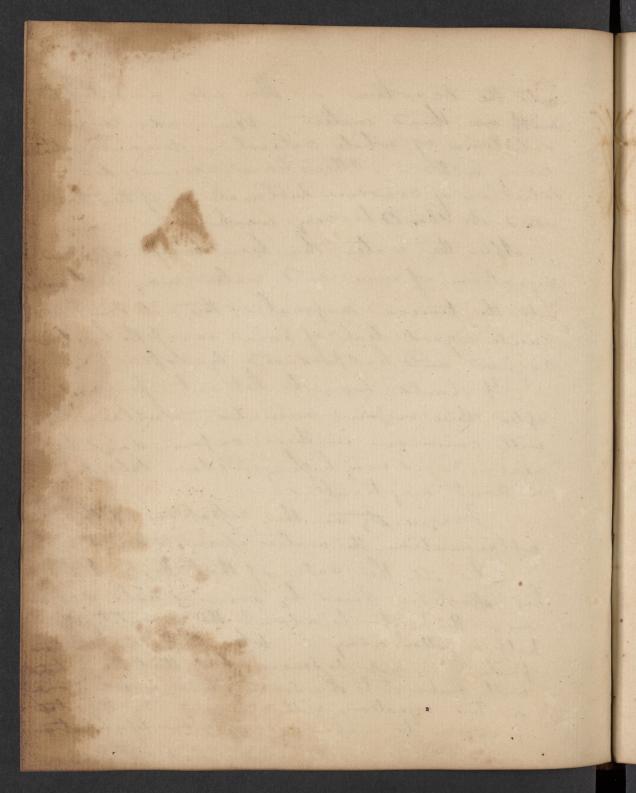
Mough the Secretion into the cavity of the hydrocele; when introduced the Hileth is with drawn to duffer the water to half off -After that is down the wound is drefted by applying a Stuff of adhesive plaister and the part Supported by a Suspendory bandage? This is ally palliative and is not sufficient to ence the directe Completely in But to produce a radical cure it is necessary that something more should be done in There we hereal model of affecting a radical come of which I shall now wention only 4 and The object of them all is to affection union or adherion between the timica bafuely and the tellis. The most ancient of thete is to make a long incision through the Scrotum to as to examine the State of the tetticle. when it is atcertamed to be per four schierus lint is placed in the cavily between the truce nafinal; and the body of the testis. The link's to be left in till supporation takes place speely. It is then to be extracted. The timesa rafinalis is from after united to the testing by granulations This made prequently Ducceeds but it cander great pain and inflammation



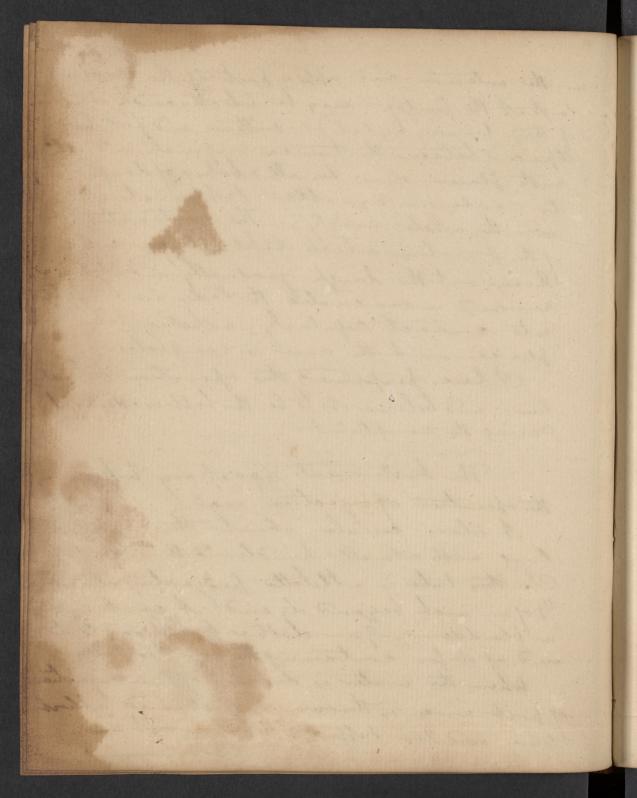
that abscepes are formed after the futients is thought to be well. Dr. has been abscelled formed in the Scrotum in Contequen of Some portion of thread being left believed Dix weeks after the wound had healed up. The next method is by means of an exchar formed by caustic ! This is not only attended with great pain - rating fore to the no Small distrets of the The next wethord is to pass a seton though the decotion between the tunica vafinalis and the testes. His wether is recommended by horbott - But its exceptionable because sometimes The adhesion, will take place only at the junction of the setor with the timical vafinalis and then the descale may afair occur. And likewide when there are cypts on the body of the testicole, this treatment will not do and these cannot be opened without laying open the timica valinely Mr. Earle has revined to methas of throwing thursdature injections cuts



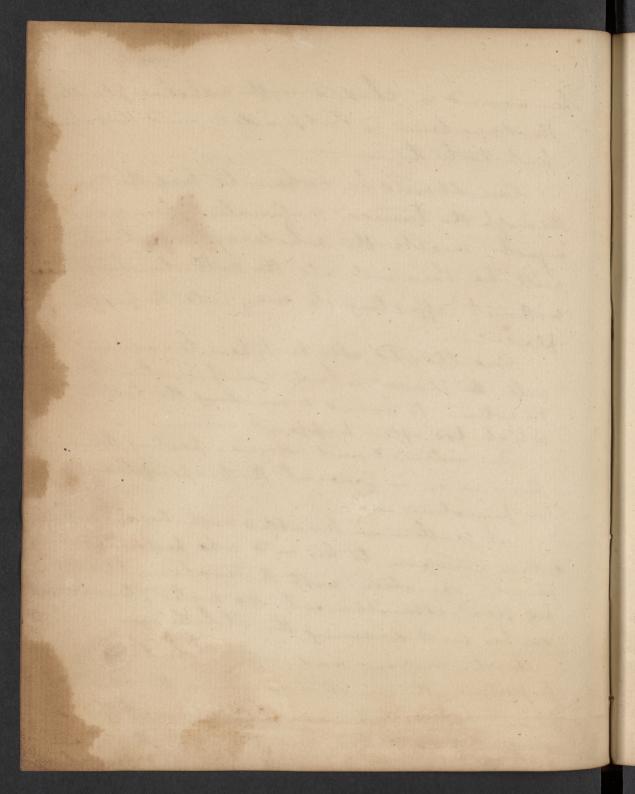
into the becotion - He when wine diluted with one third water - Some advice a Solution of white vitriol - it would anhew very well others have recommended a Solution of constine Sublimate - of this the used it should be very weak an After the water that been drawn off aw mjechon of wine and water may be thrown into the tourca vaginalis; this will sometimes cause a good deal of pain accop the lumber agion and has produced syncope It should soon be let out - perhaps after three or four minutes Inflammation will come on in three or four days but never runs very high and have Jubsides without any tranbles trequently on the cepation of the inflammation the water again returns -On all the cases of that best Inf. has affected a come by homing cold water over the hart to about the quantity of helf a gallow aday - When the first aperation fails it is not to Severe but that the patient will bubuit to it a Second time in when one or two wyectrons will not one north unter proposes to make an ingetion of about on inch long



in the auterior and where part of the berolum so that the finger may be interduced to ascertain if there be any hy dated & - within and fill the Ispace between the timica vafinali, and test with flow or a small bolus of dough our the whole cavity - The contraction of the S-crotime which tatels place will Mow out the daugh gradually and atil is removed or avacualed the Sides are brought into contact regularly, adhesion takes place and the cure's completed: I have performed this operation several times and believe it to be the bell made of carries the complaint in The Instruments mosely any interforming the operation of injection are A silver canula about three inches long with asmall handle to the end of it On this tube is a Stilette projecting about 1/8 of an inch begand its end! A cock with a bladder or fun clastic bag pred to the end of it for containing the injection -When the water is drawn off an injection of hort wine is thrown in, retained ablost time and then buffered to run out -The warmed



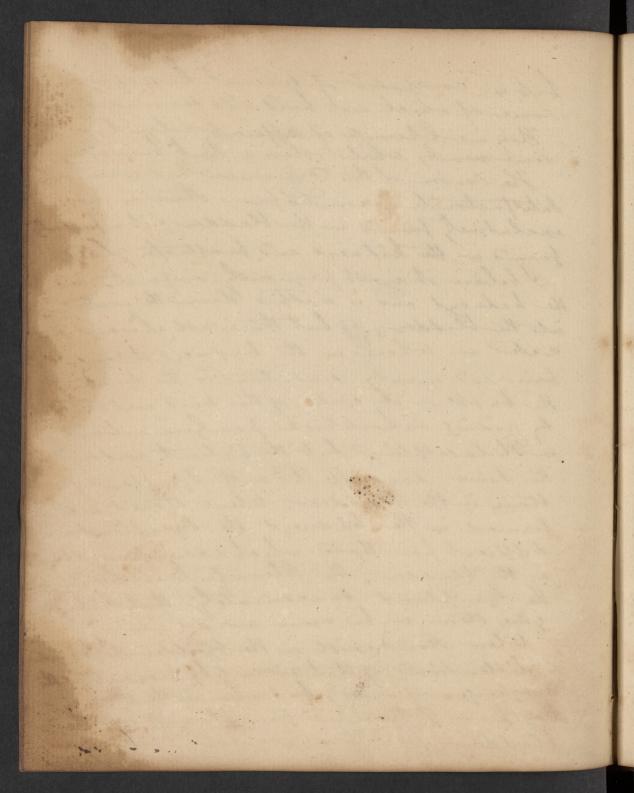
The wound is closed with adhesive plaislet, the Serature of Luthended and the paleat put tobet -Care should be taken to keep the canala through the tunica rafinalis when you inject or else the whole of the contents will be thrown into the cellular Substance without effecting its way into the proper Care Should also be taken to examine well the place where you puncture the scrotum to avaid wounding the testile which too often happens un The anterior and inferior back of the tumare is in general the hoperblace for function -A gentleman traubled with by droccle called a sengeon to his and who performed the would operation with the trocker; but to his great attorishment no water flowed out on his wishdrawing the Statethe -Another Ingeon was called who likewise performed the operation nearly in the dame? place but with the same succes - Athird surfrom was called but met with the dame



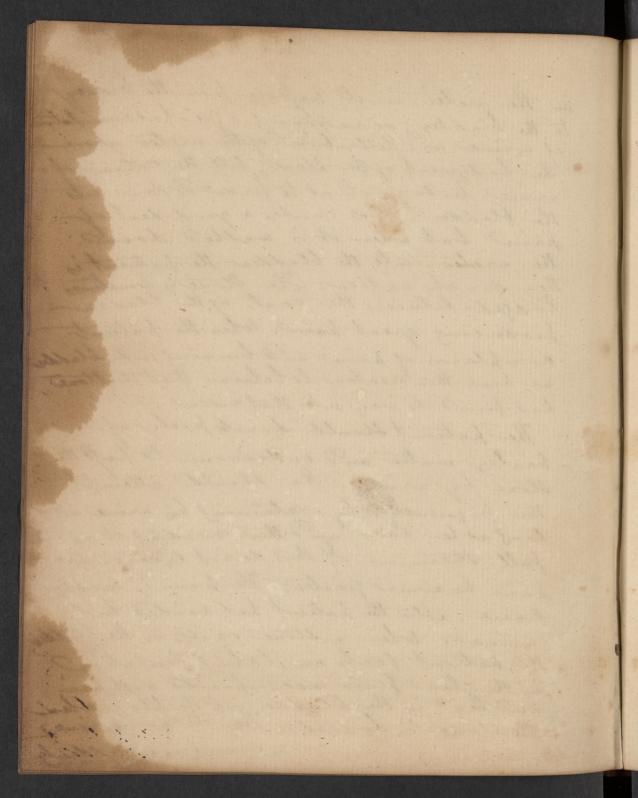
Tisappointment at the others -In Hunter and was then requested who whom Iranining the cake and recallecting the peculiar Lendation which the teating sines when Agusered, be questioned to balunt while making prefune on different but of the tumour and determed in this manner That the testis was attached to the unterior had of the time a vafinalis just where the functions had been made the trochen had been publiced into the body of the testis - He there pierced the Secational the lower and back hart of the tumous where the tests wheally lies and the water Howid and as in common cakes

Lythotomy Calculous, concretions are found in differents parts of the body. Ihave found one of the Sire of a common pea schuated at the basis of the tougue. They are found in the Salivary ducts, in the lungs uterus de but they are most commonly found in the organs of wine. The inerustation found depostited on the sides of the repel, which hold wine prove that the calculous Substance it contains may readily form a Stone. The quantity of calculars matter varies in defferent persons and it's feealer It one time than at another in the wine of the Dames person. It is not my intention to enquire into the corcumstances which Organia He body to the formation of stone. It's sufficient for my purpose totawa that it can be formed by a deposition from the wine ~ Calculary concretions towelines are formed on catheter which have remained a few days only in the bladder -The different pubstances, which have been found in the centre of calcule proce Suffer-- ciently that any soled body remaining in the body may become a mucheul for astone. The stone is not always of one uniform lear distance

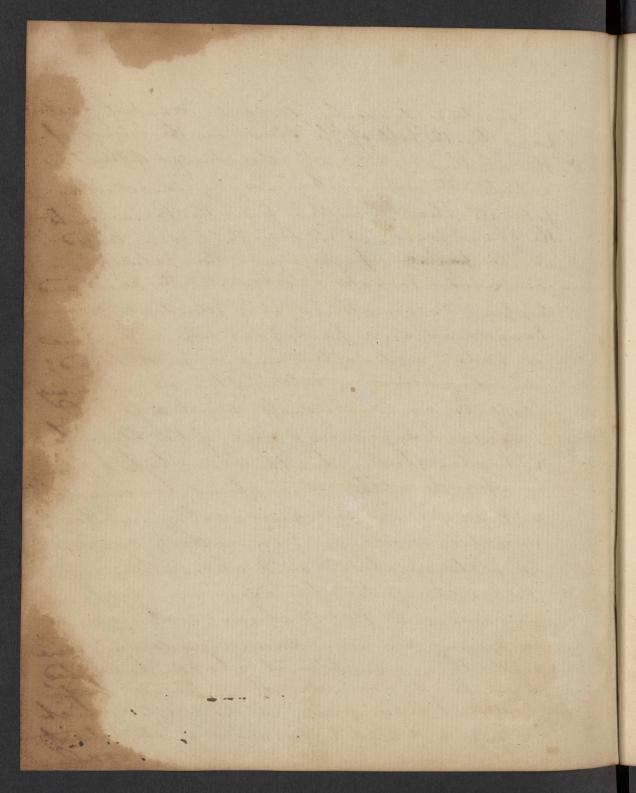
but is composed of several lamina on Some of which we hard and towe are doff They we likewise of different colours some nearly while others a dark brown -The reason of this Ofference has never been Satisfactorily accounted for . Itame is not exclusively found in the bladder; it is prequesty found in the kidneys and heastrate gland. I believe it most pequently originate in the kidneys and is wither down the wroter into the bladder to but this is not always the case when in the leadner it candes hain and uneary tentations in the Small of the backs - A case of this kind wascuted by riding on horteback pour primantown to Philadelphia but the hateent was one the tame day affected with Symptoms of Stone in the bladder when stones are borned in the kidney ! The Symptoms and defferent from those which accompany Stown in the bladder. Mr Isloonfreld has distribed the symptoms to accurately that I shall give them in his own words ___ When Tones exist in the bladder they occasion a distension of that ridens by hierenting the Discharge of wine, but when in the kidney they prevent the wine from planing into the bladder. The Stone pequently lodges in



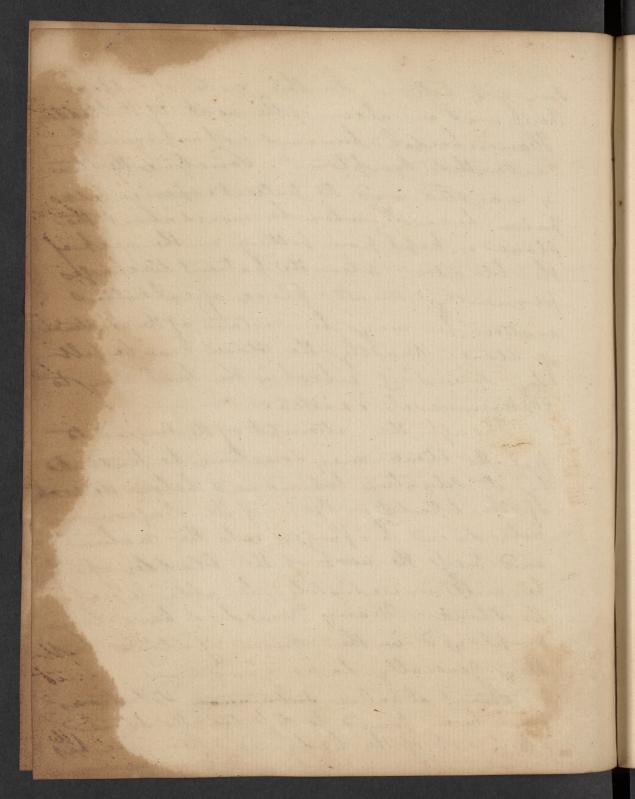
in the wreter in its hapage from the kidney to the bladder occasioning a great accumulation of wrine and dittention of the wreter above the ladgment of the stone, tett the columns wrine he so great as to force it down into the bladder. This candes a good deal of pain but when it is washed down We wreter into the bladder the patient is then much easier. The Stone is Sometimes loageds between the coats of the bladden producing great bain. When the patient complains of hair and burning in the bladder we have then reason to believe that the stone had found its way into that viscal -The patient should drink peely of harley water and endeavour to hap the Stone by write. He should attempt this premently by retaining his wrine as loug as he can and then voiding it qui a full theam. If this do not succeed the hain becomes greater. The hair is much Severe after the patient has voided his wrine. When a Stone exists in the bladley the hateent feels an itching feutation in the gland planes accompanied with have the Stone is lodged. The Stream of wine is Sometimes Suddenly



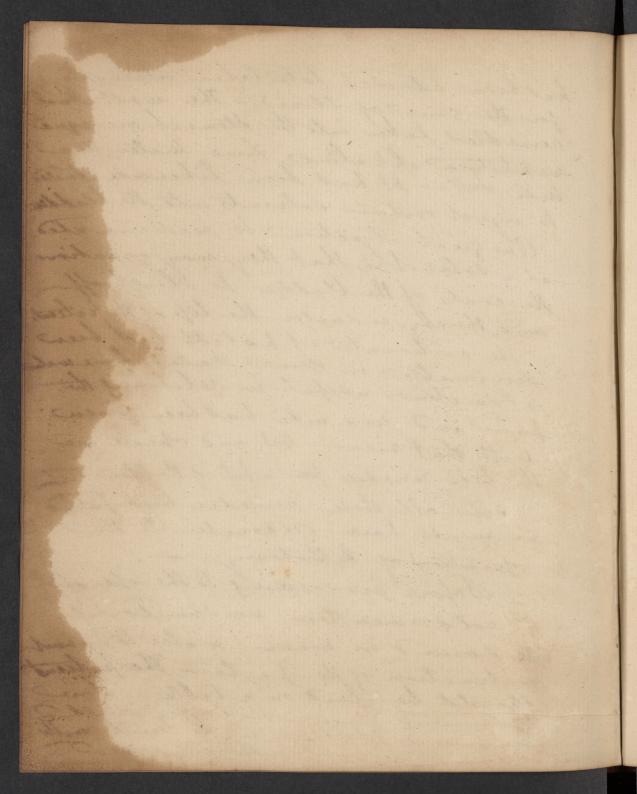
is sometimes Inddenly stopped carrier great pain by the fall of the stone on the orifice of the wellhad and at other times flows in a full theam. An unearly tentation is felt all along the wether from the perincumbo the gland penis, aships something were lodged in the traffic passage - The hateent's Cishoded to full and Igneere the penis and preprice. Sometimes it is attended with tenesmus and prolapsus anis. The wine is hale and after mixed with blood; the digestion is interrupted occasioning flattationer, costinends weakness Led Paver I Supervenes and if the Stone he not extracted death Loon takes place All the above Symptoms however do not prove it me quivocally as they Sometimes occur poin other causes as inflammation and ulceration of the neck of the bladder or wheer or Jumours in the rectum. Acade of a young woman came under my four She was sounded three times but without finding any stone, after which mercury was preserved and the patient



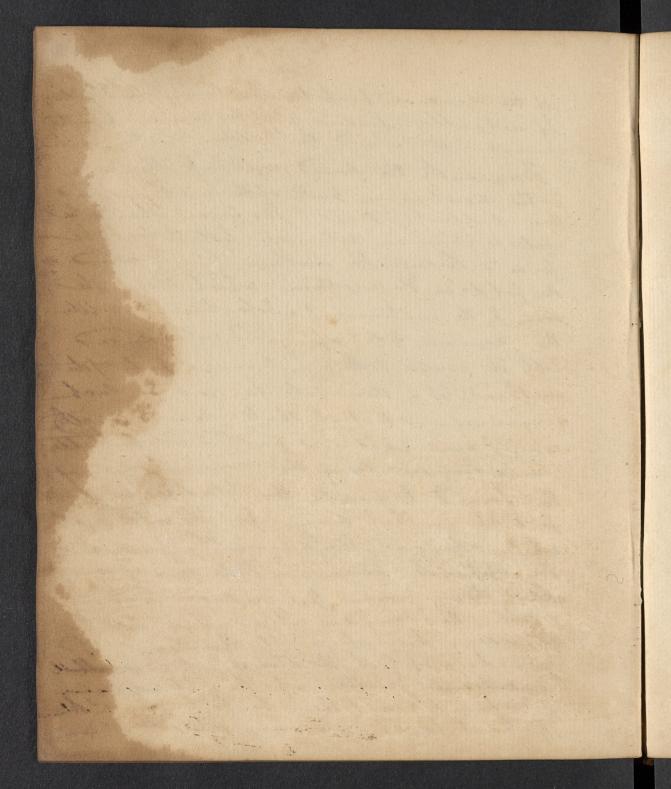
Soon got well. In this case I suspect there was an wheer of the nech of thebladder Homourboidal tumous not unfrequently cause these Symptoms. Cometime the Stone is inexted and the pateent experiences no pain because when he mones about the Stone is kept from balling on the neck of the bladder, when the batrent discharges pequently small pieces of calculant matter he may be certain of the existence of Stone. Mostly the Stone can be fell I by Sounding which is the best way to Octermine its existence Though the attempt of the Surgeon to feel the stone may sometimes he pustrated by its situation behind and below the week of the bladder yet if the Surgeon introduce his finger into the rectum and press the next of the bladder whomas he will immediately be able to feel the Stone. Many remedies have been employed in the come of Stone but they generally do no good ___ Thoug alkaline substance Solution, have been found to dispolve the stone when out of the body and their whe has



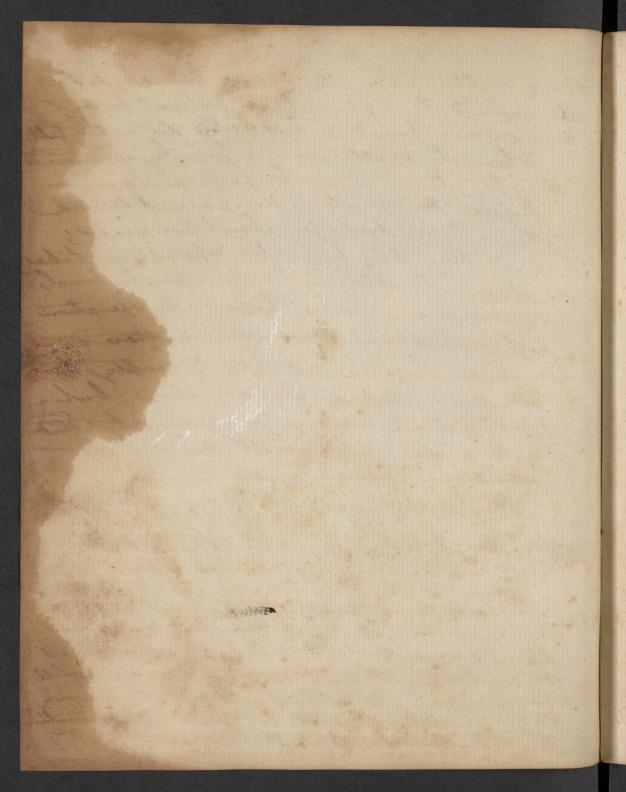
has been advised to be taken internally for the cine of Stone - The most which remedies taken into the stomach are agua methitien alkalinas, Lime water Wa Insi Les - It has been likewike advices to inject certain solvents into the bladder Que great objection to medicine, ales as a solvent is that they may recation He couts of the bladder to bloughoff and thereby endanger the life of the patient, The curbonate of hotath has been Serviceable in Jome cases. Lune well is tometimes useful in relieving the pain and wa with has been finew with that view. Is and apriates are the best remedies for a ful of the stone in after all these remedies have failed we must have recombe to the operation of lythotomy Before proceeding to the speration in coldo weather we should dif the sound in warm enalter to hearent contraction of the parts in The patient should be land on a table or some Convenient place The Singeon Should her broceed to introduce the Sound with The corecave D



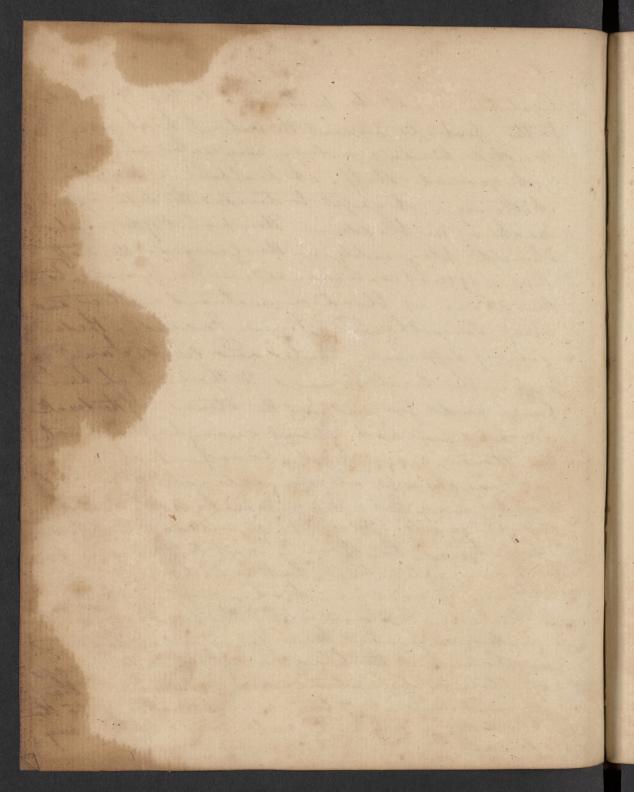
with the conease hart turned toward the Hadden If not easily introduced in this manner turnthe convex side toward the bladder and try again. Trequently the Sound will haf till it comes to the membranous harts of the welline and Men suddenly Hohr. hes force should be used to gain an entrance lest the sound be he folds in the wettern which stops the Sound, the instrument is toke turned with The convex bede up and introduced 'Till it comes to the membranous party of the wrethra; it is then tobe turned in buch a manner as that I shall revolve exactly on its own axis and pathed into the bladder Voice Surpos turn the concare Lide of The found towards the bladder and pertilt in that way for its introduction while others as tenacionty huntre The apposite plane This mises attifuther from prejudice as when the Lound's who duced into the bladder turn it in all directions; of you do not feel the stone pape it wall dischard further up the bladder of it should not then be felt cause the patient to change his situation



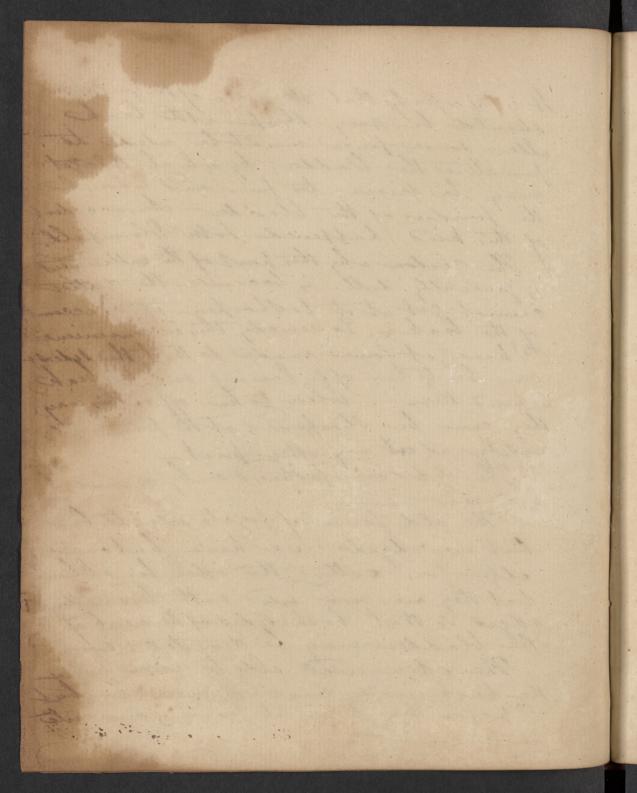
drequently, when the stone had eludes the sound by placing the hateest on his hands and knees it has been detenelly fell When its existence is fairly ascertained the operation may be performed me Refore the operation the patient thould attend tohis diet for about two weeks; and the day before the aperation take a dose of castor out to open his bowels, about an how before the operation affyther Should be administered, Vome Jugeons advice to untily the bladder before the operation, but Dr. hrefers having it moderately telling with wine which will render the operation more early The instrument, necessary for the operation Atable a common dining table will anduly very well a whatever table is used it should be narrow to that the affistants can hold the pateent without Leaving out it to the and pillows applied to as supply the putient head. It will be necessary to be provided with evan for lating who may refel that may be cut



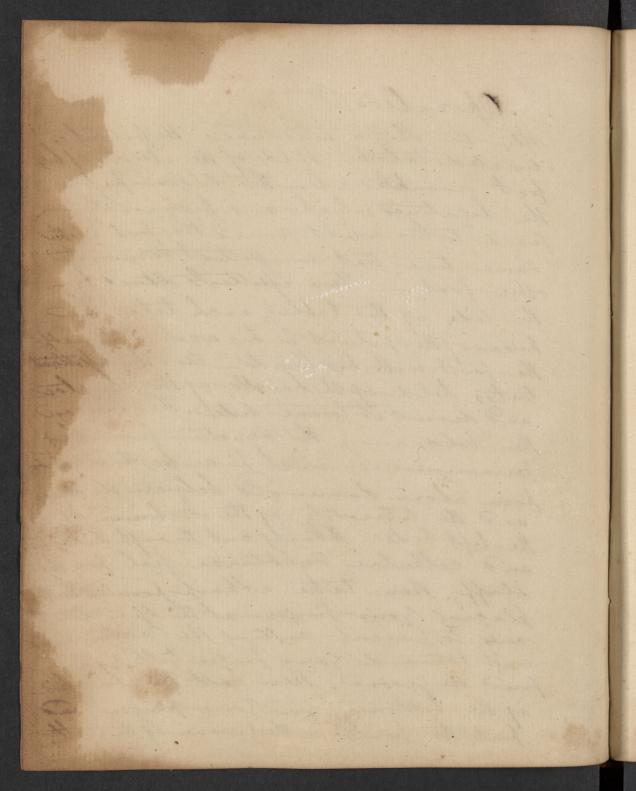
Legatures much be provided to tige the band, tothe feet to brevent the hatrents kicking A ground Staff. A scalpel, a Sharp frointed bistowny . A gorget to divide the side of the nech of the bladder. The point of the gorfel should play easily in the grown of the staff This is official consequences the growe is to be clear of blook or uncluous metter and very smooth and clean. Freeps. These are of different shape and lives, June prefer the Imaller ones to those which have large and for grasping the stone. If the small forceps are not strong enough for extracting the stone, a common I coop such as acconchens whe for extracting the childs head may be introduced by the like of them and be wade to afish in withdrawing the stone Vouctimes the stone is not Sufficiently from to bear extraction but break into pieces If any pieces are broken off it may readily be known by examining the partestracted. A syringe has been found of advantage in cleanising the bladder of small pieces of stone by introducing Athrough the would and injecting warm water into the bladder which will wath away any finall pieces that may remain !



It is necessary that the edge of the Sorfet should be very thanh at the beak elle some force must be usedo to punctine the bladders by which the forget may be driven too for and wound the funder of the bladder Anaccident of this kind huppened toll bloomfield The reason why this burt of the instrument is fenerally dull is because the cutter carnot get at it to Sharpen it on account of the beak To remedy this inconvenience Blave got Some made to that the lyles behind them. when taken off in this way they can be Sharpened at the point als easily as out any other part. The sides are fastened only means of The old form of forgets weed to be but one edgeds /i e have but one edge for cutting, the other being blank but they are now wild with two cutting edges so that both ledes of the neck of the bladder may be divided of The edge used also to run pour the beak in a curved manner but I prefer them thought forming an acute



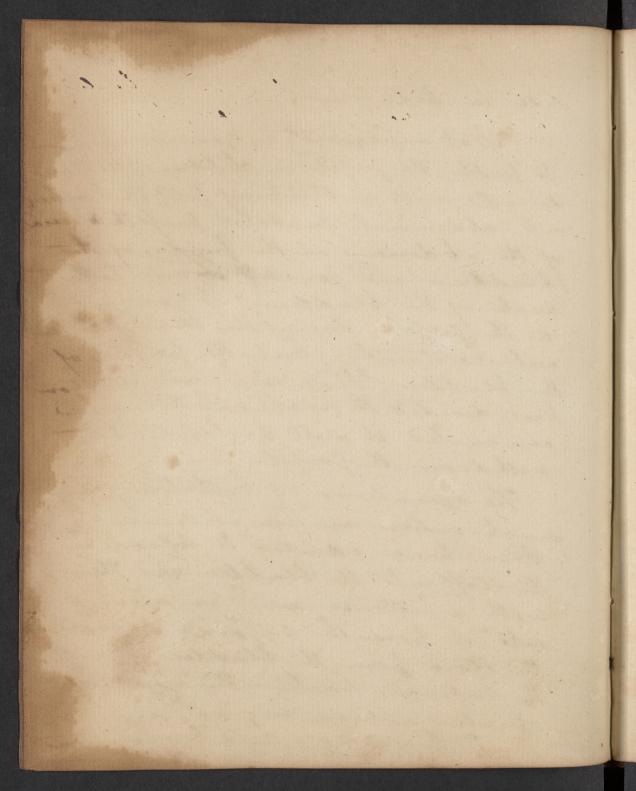
Operation ? After the Staff is introduced the patients directed totake hold of the ulside of he foot or ankle when the Jungeon paper the lefatured which was previously fined to his wrist round the food altho same time that an apollant seems the other foot - Two apostants stand by the side of the lable, each takes one knee of the patient in his axilla and grasps the foot with his hunds_ another afothant takes hold of the hundle of the director and draws it to one sidel. The Impean then holds away the Acratum from the priner in which he makes the incised poin above downward between the any and the tuberotity of the Ischimm of the left Side. Having out through the thin and cellular dubstance, feel for the staff, then take a sharp pointed biston placing your finger at the spin cler any to brevent cutting the rectum and cult towards zour finger till zou fund the grown. Then rest the back of the bestoning on Jone finger and put the boint in the groone of the that



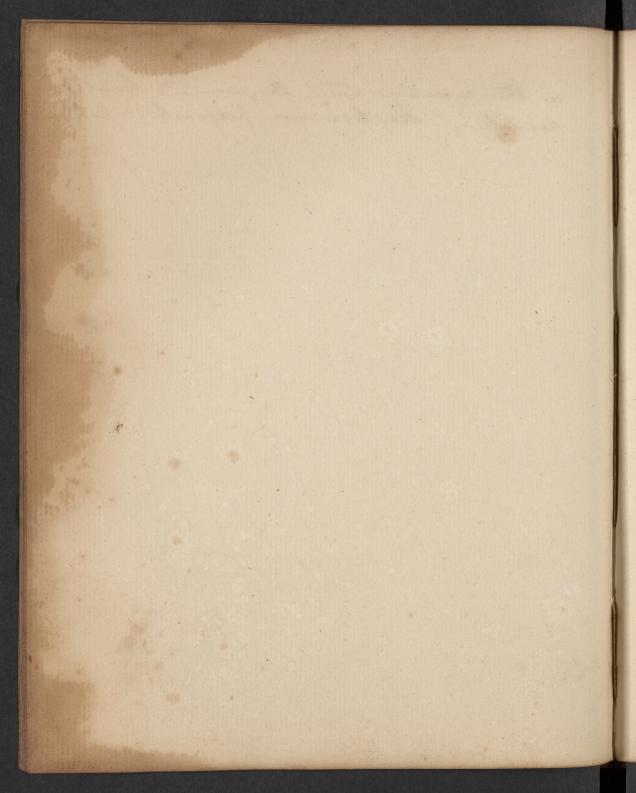
laying it bear. The surgeon then place, the beak of the forfet in the groome of the Haff, taking hold of the handle of the staff with his left have I and bringing it to a right angle with the body The affettant then takes holds of the Starthow and draws it who. The surfere then bean down the hundle of the forfet and butter it into the bladder The wind now escapes from the bladder when the gorfet has got into the bladder the staff is tobe withdrawn. Defore the gorfel is withdrawn introduce the forceps, then take away the gorfel Drawing it carefully to as not to make a second incision. When you have taken hold of the stone introduce your finger by the side of the forceps to loosen any hart that may be entangled and to place the blone in the fest and eatiest way for its escape from the bladder when the Home is extracted examine of any more are left in the bladder or if any pieces are broken off the stone already taken out. If any refsely be cut whe the The patient is now untied; his knows put close together and land on his

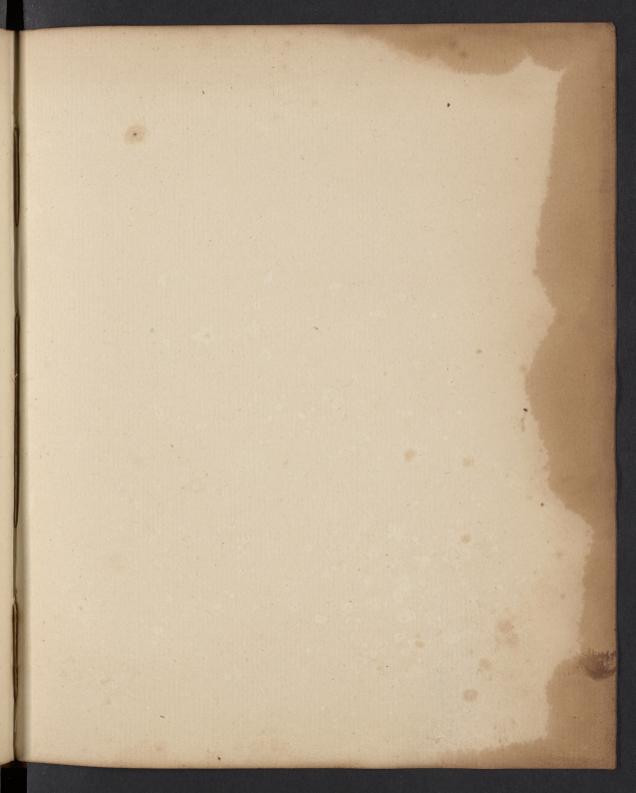
I with his defending me a held as Block & British

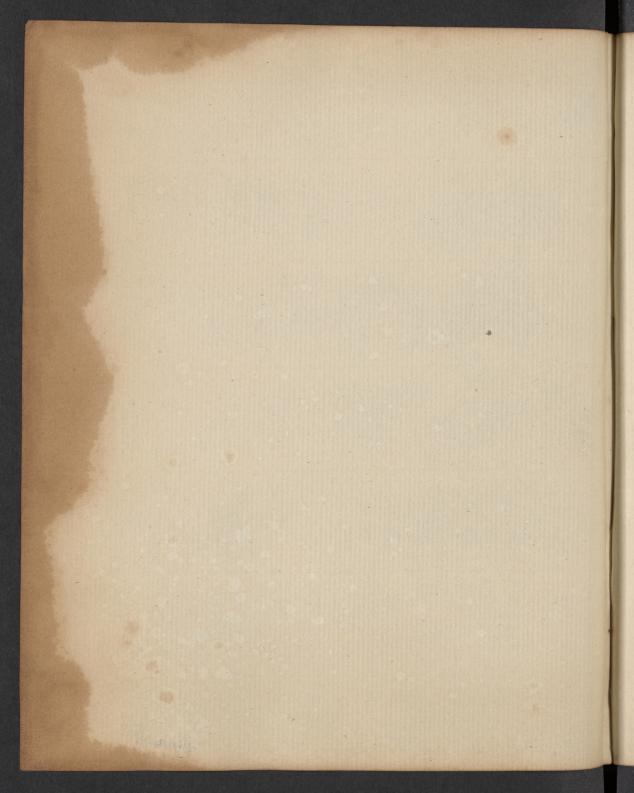
Side in bed any Not impequently as you are about to buth the forset in children they are direct with a training fit; the Display and abdominal mudeles prefoth viscera of the abdomen on the franches of the bladder and foreing the and tathe neck of the bladder of you puth in the gorfet during this straining you will certainly cut the fundus of the bladder. If it come on afteryou have drucked the neck and the evene evacualed it will be Lafest to withdraw the forfel. The operation of lythotomy s much eatier in /females _ Tome have advited to introduce the staff into the bladder and there with a bittomy make an opening into it from the valina and extract the Stone from the bladder through the rafina. Vometernes this moder of operating answers very wellend Diff has performed the operation

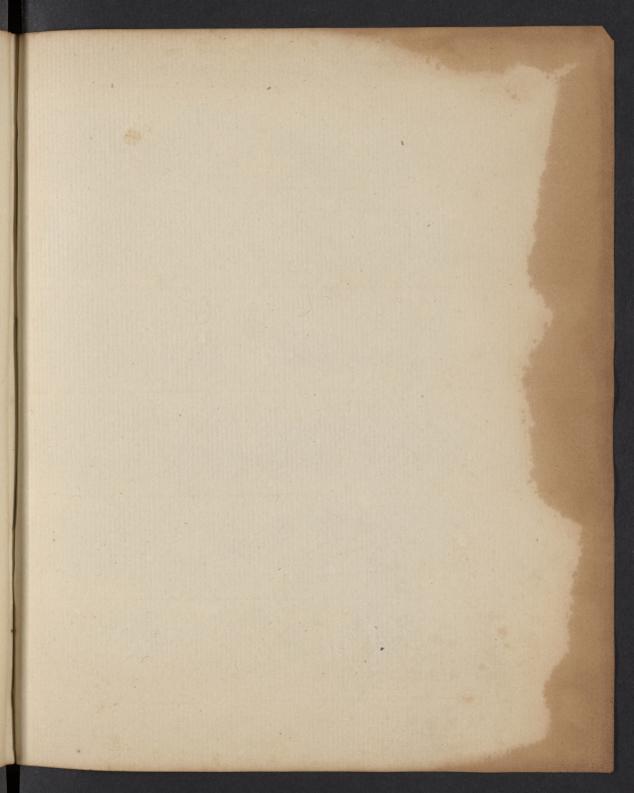


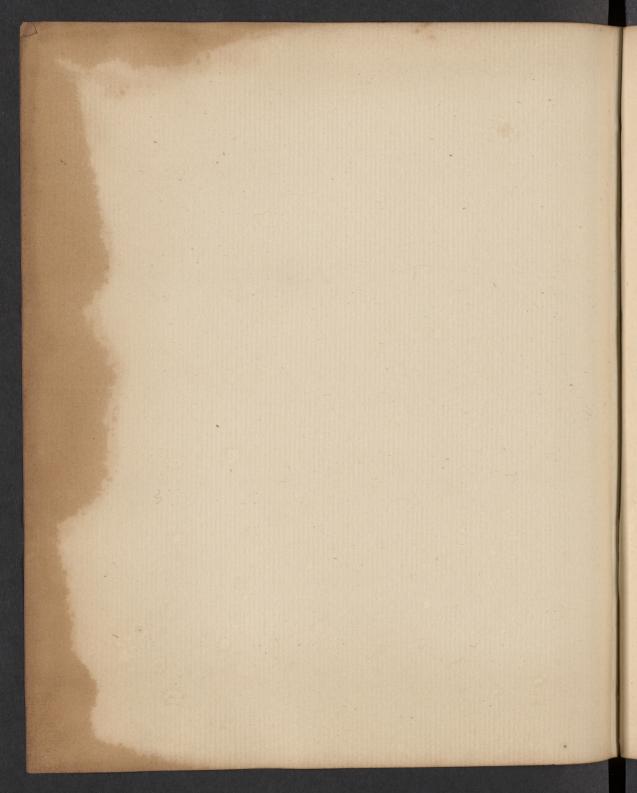
in this manner and the worner healed readily - He however prefers the forfet

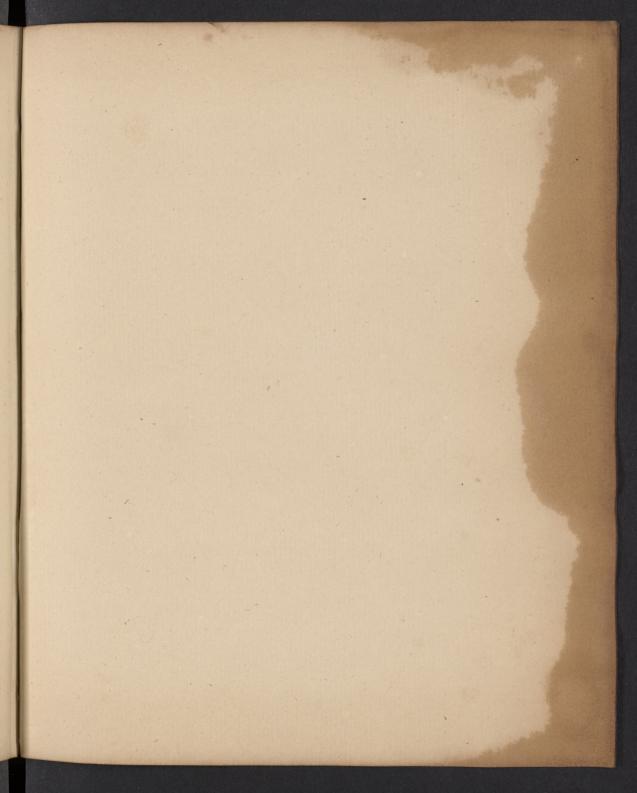


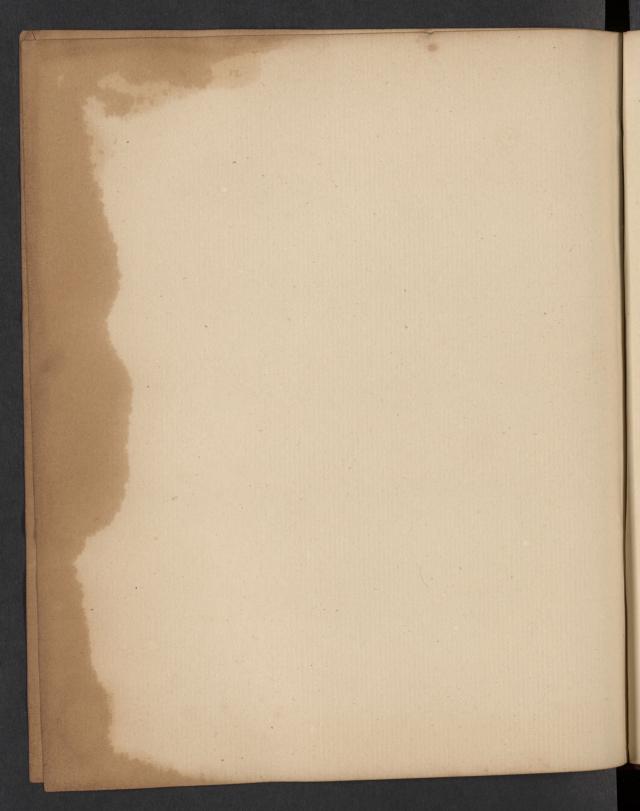


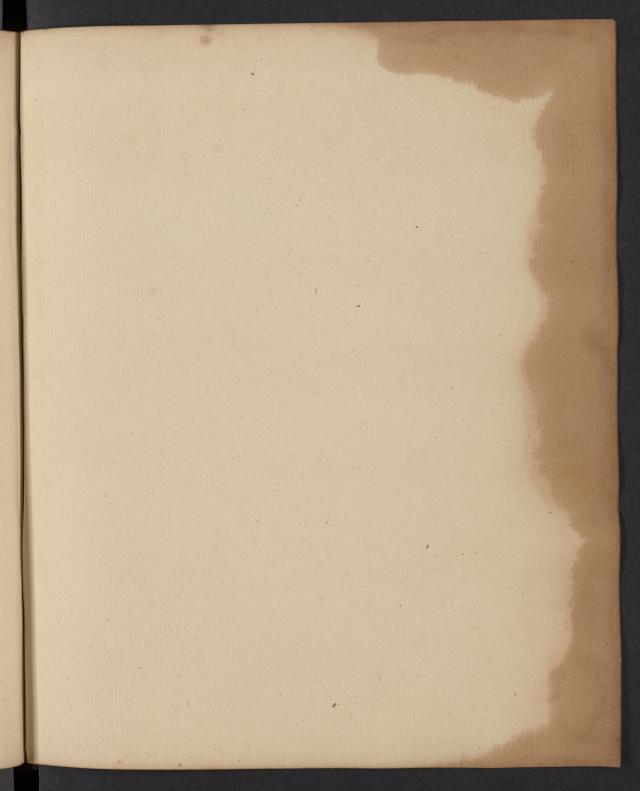


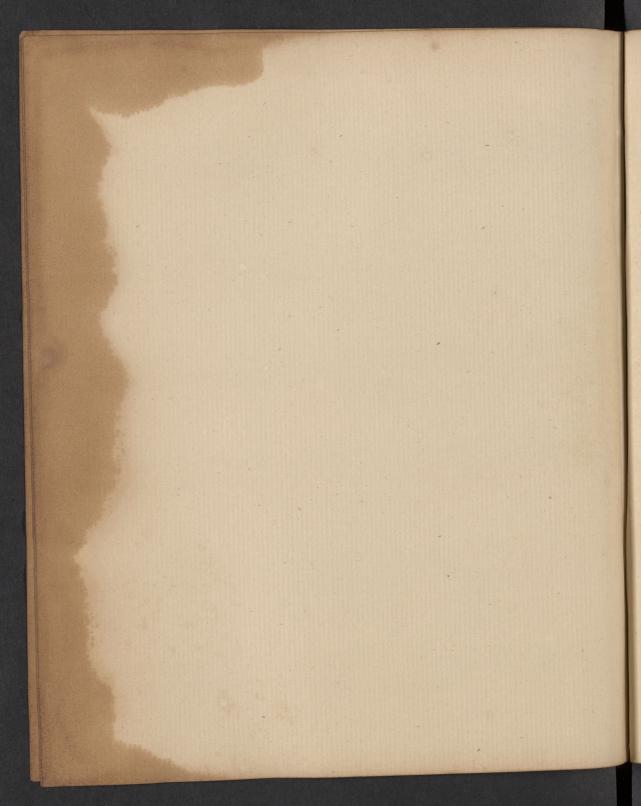


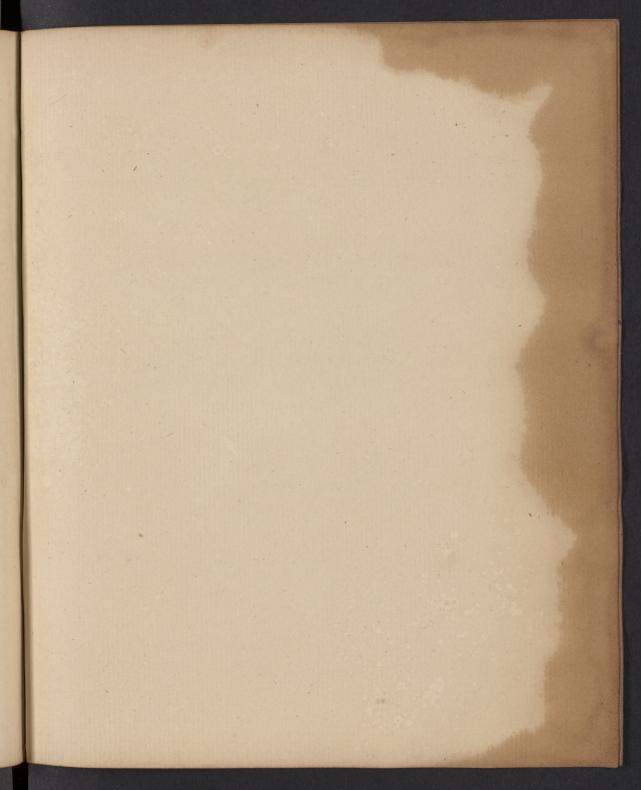


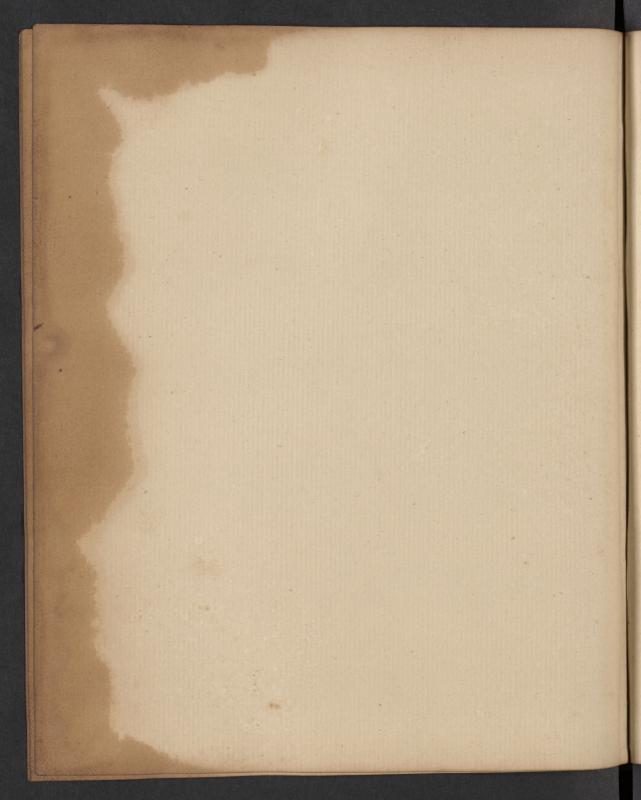


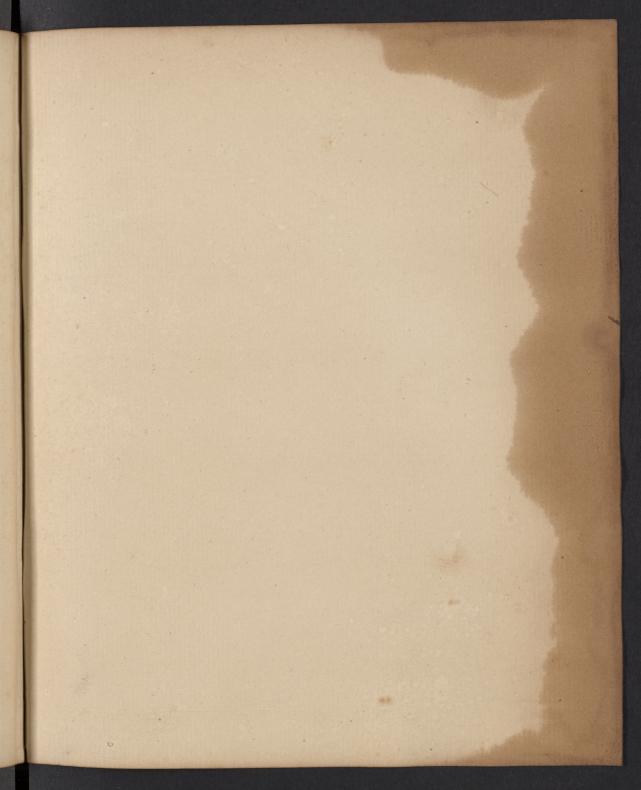


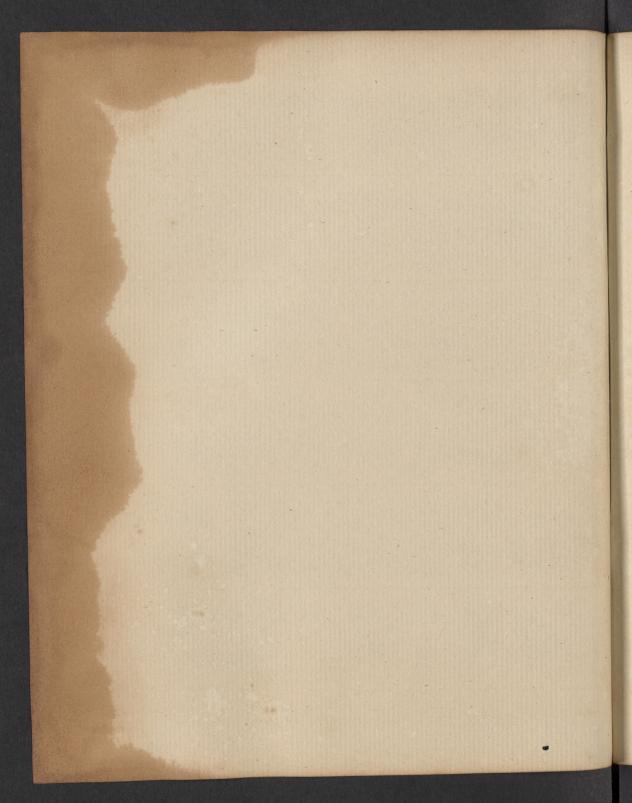


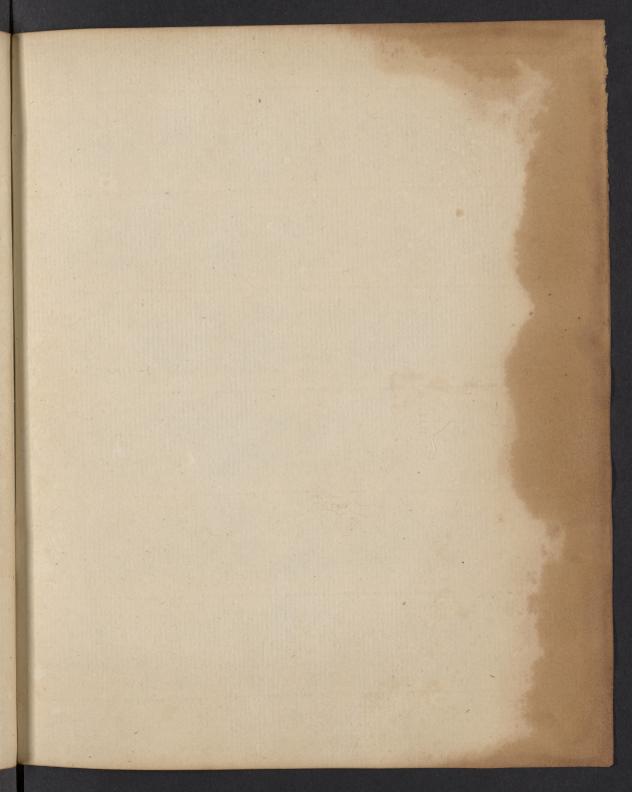


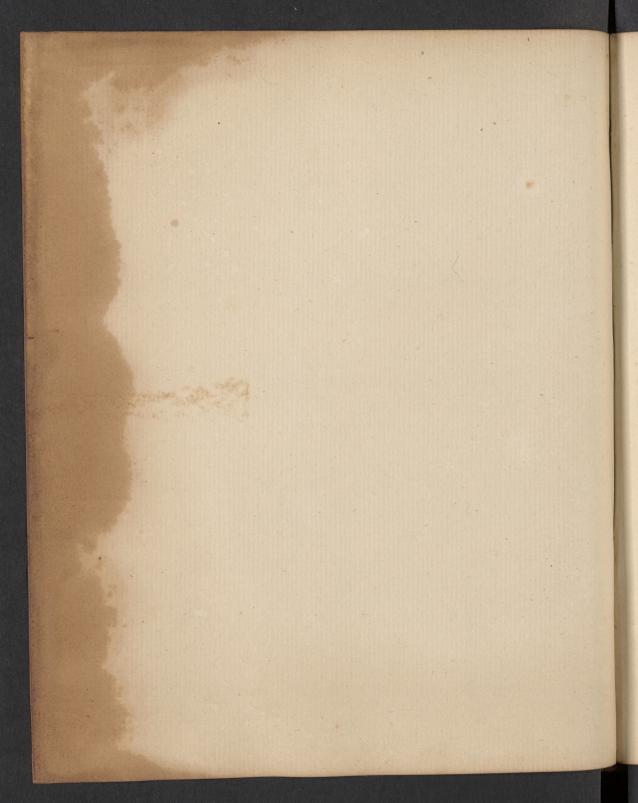


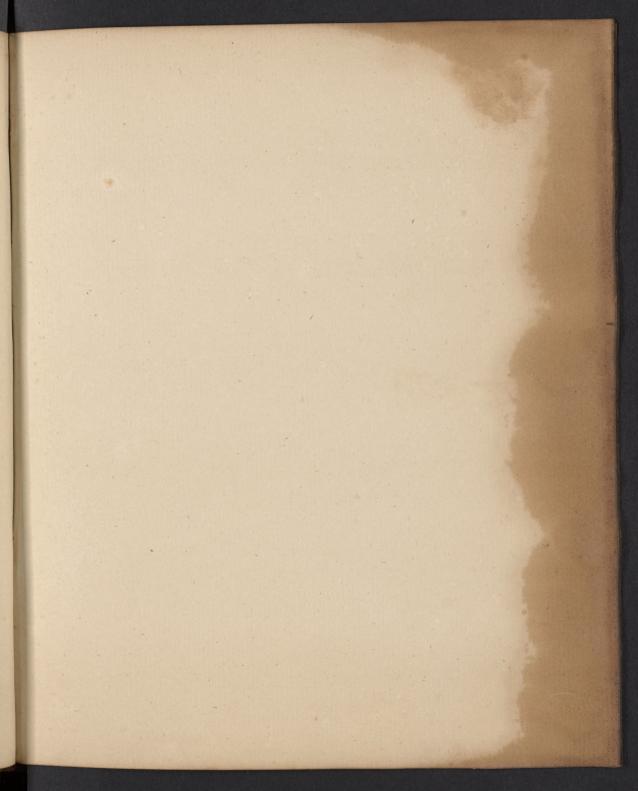


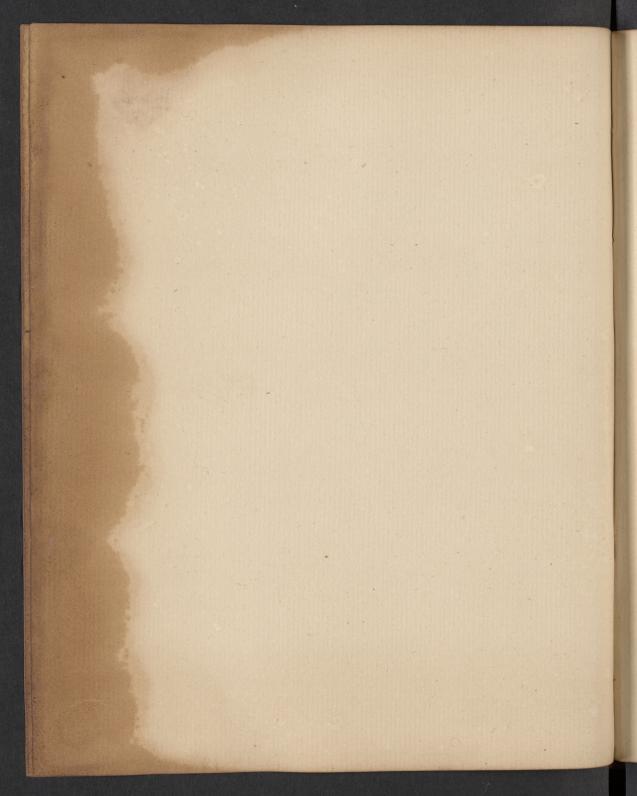


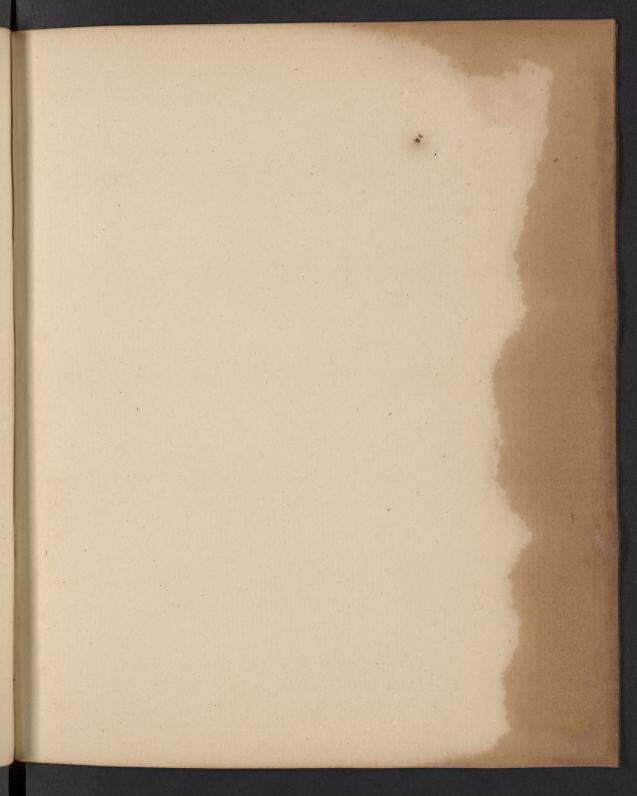


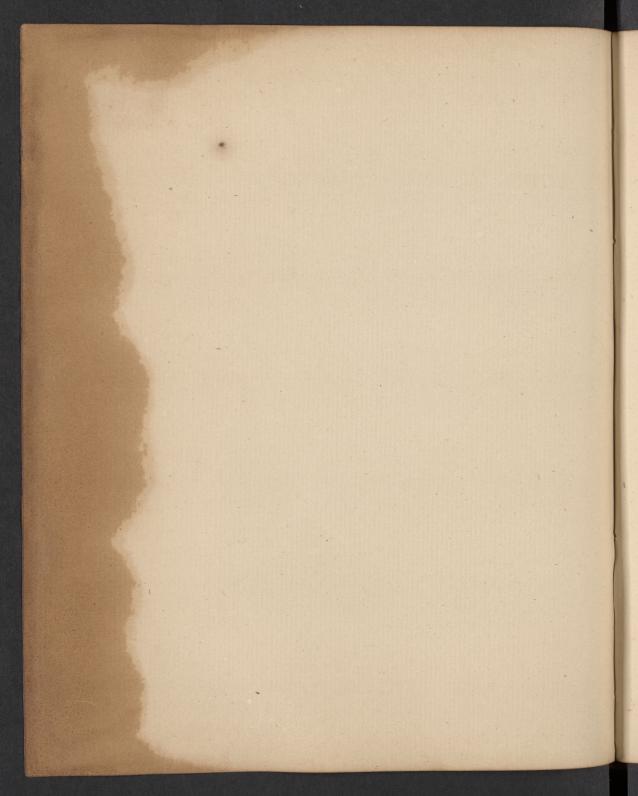


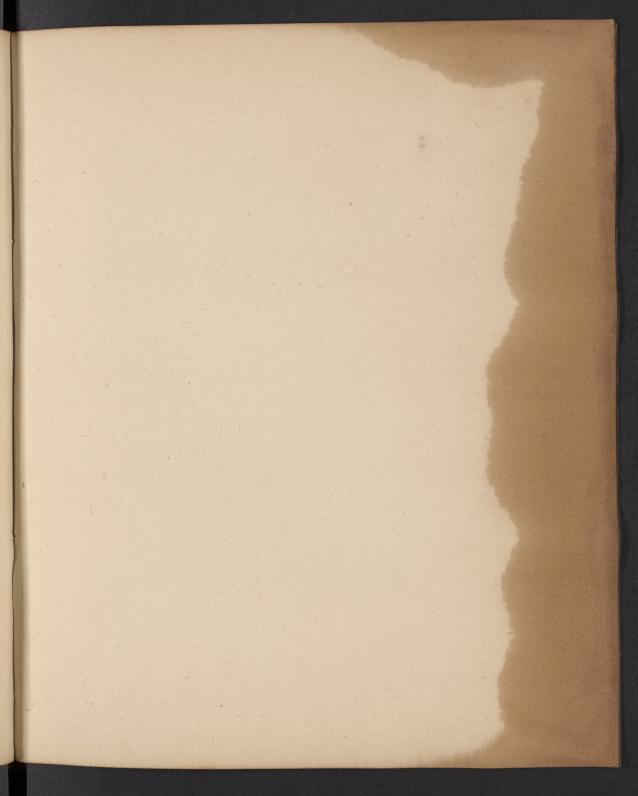


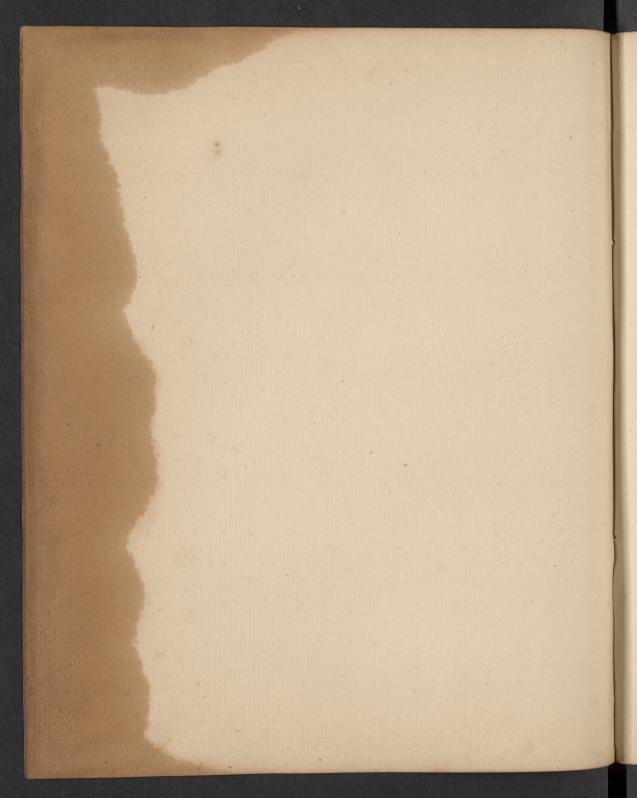


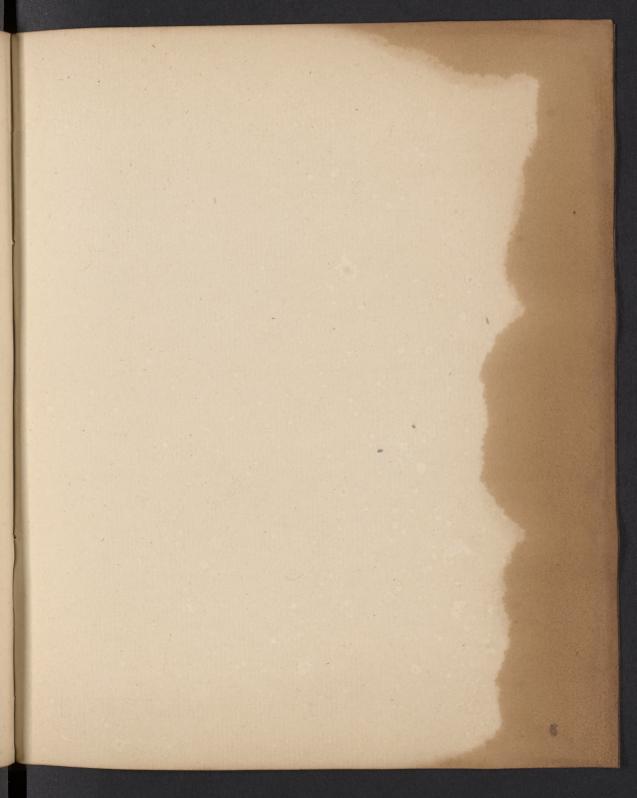


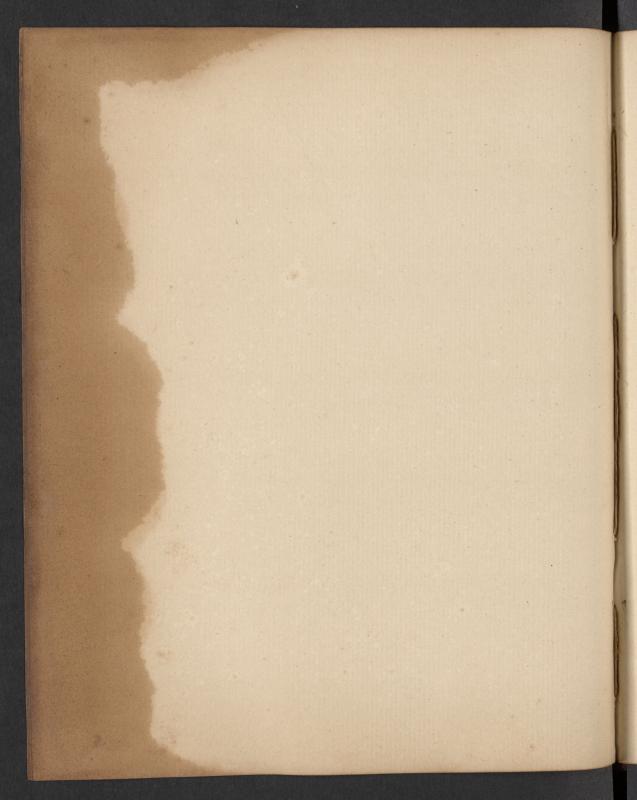


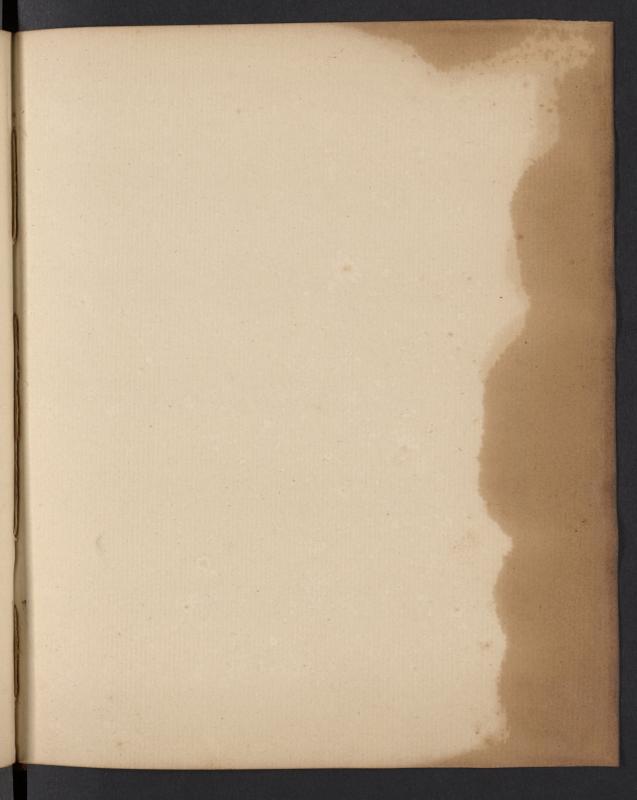


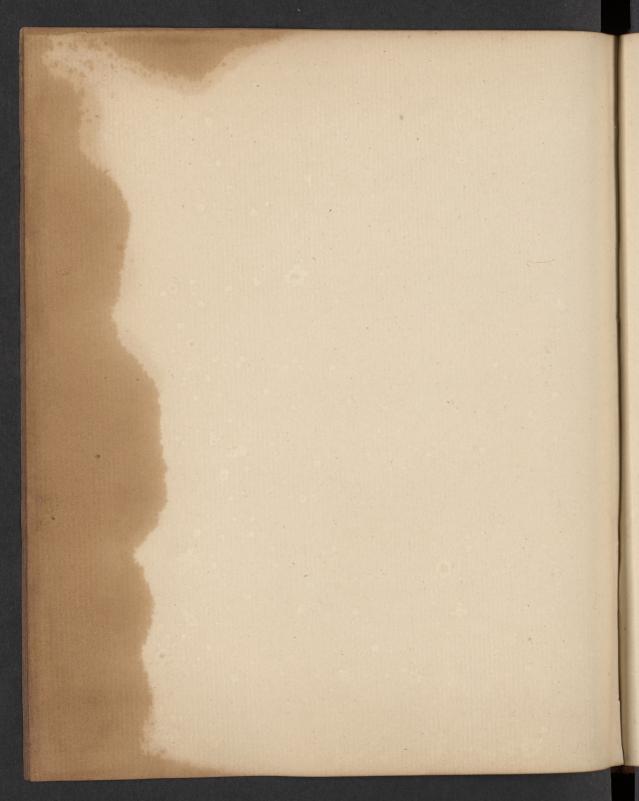


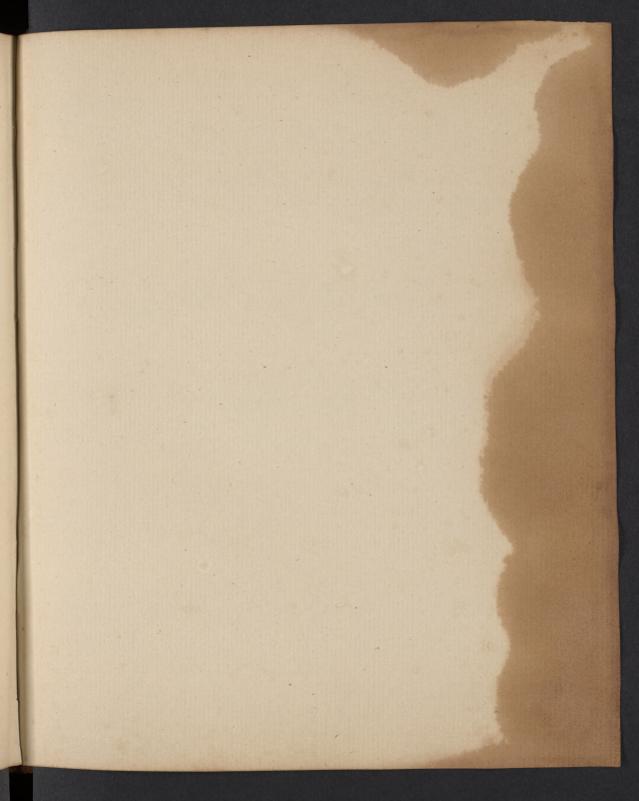


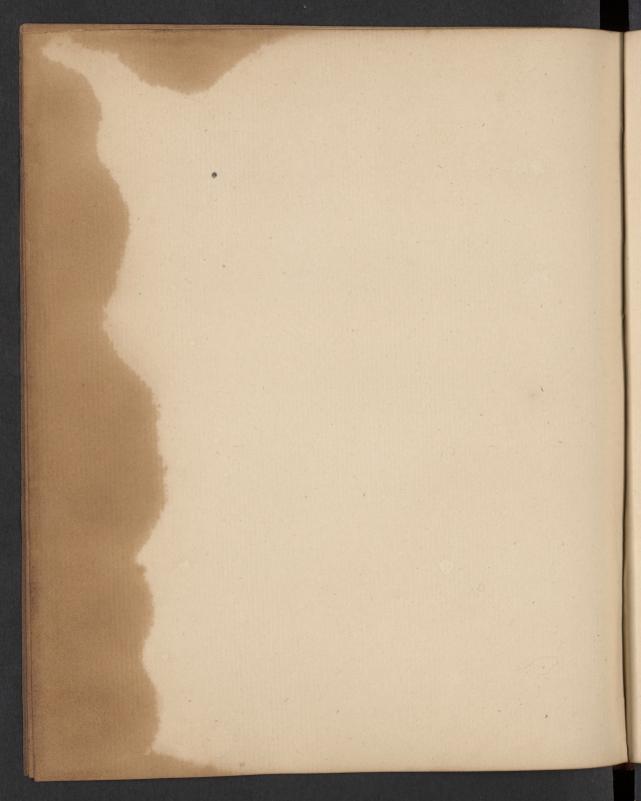


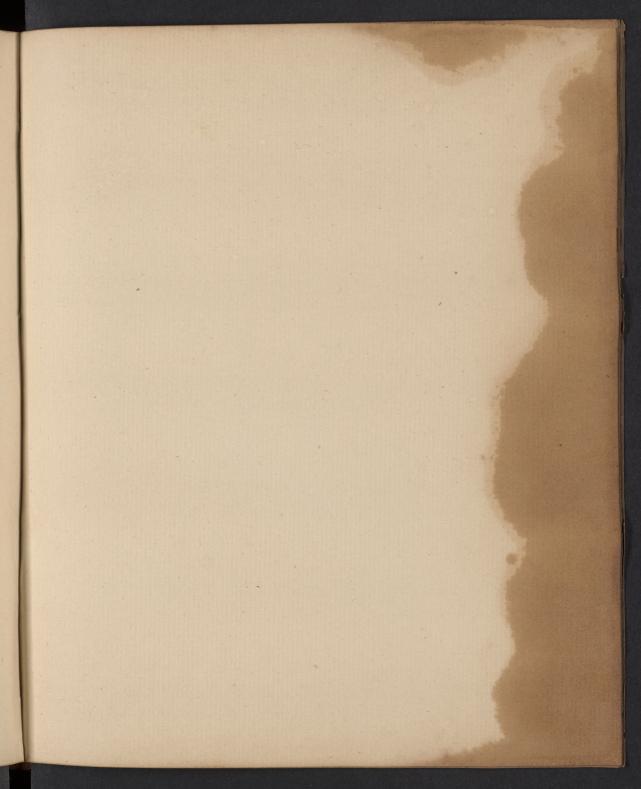


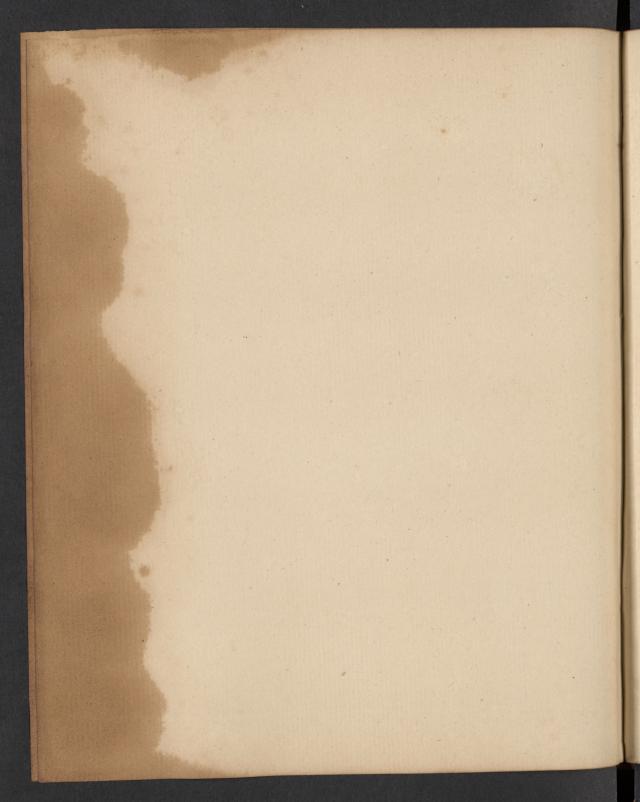


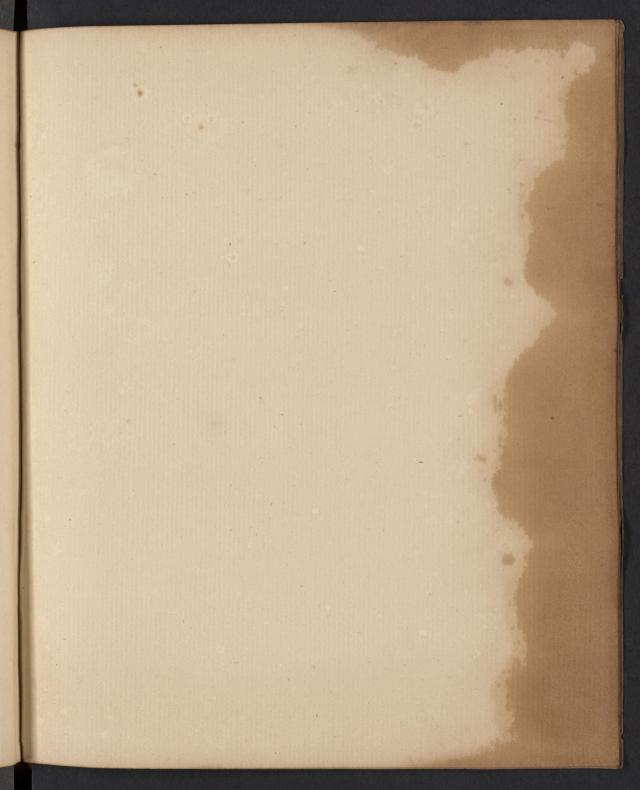


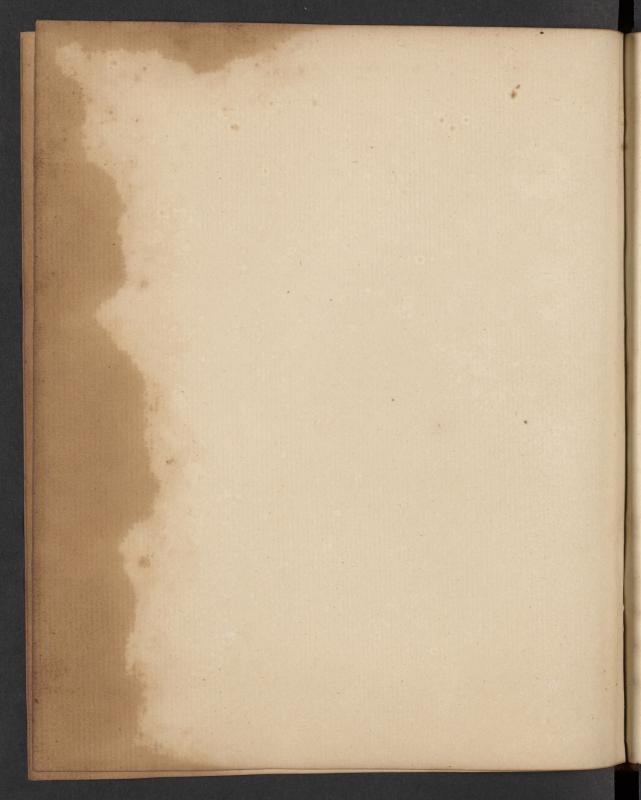


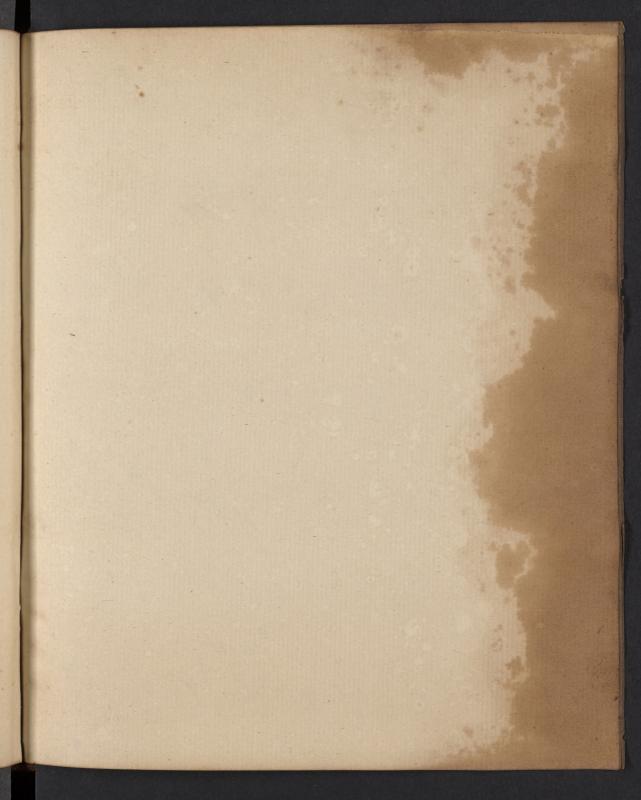


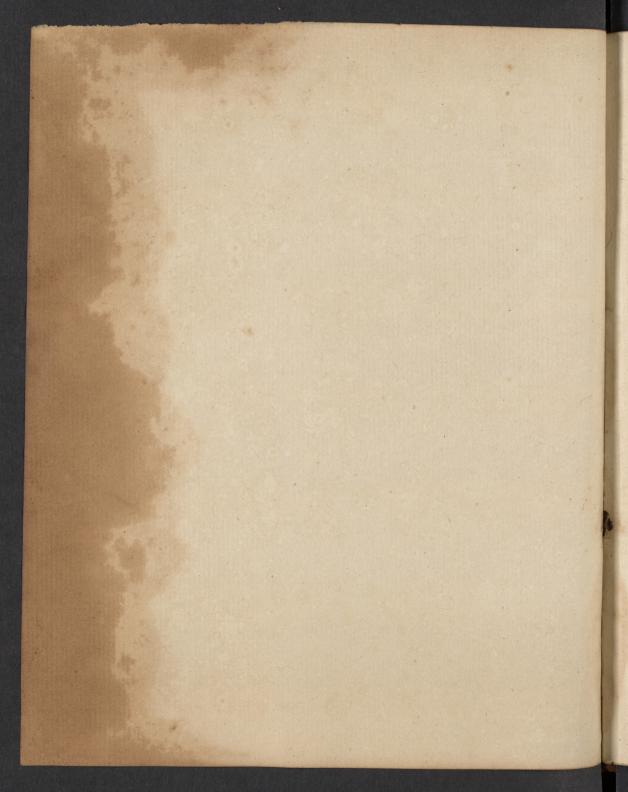


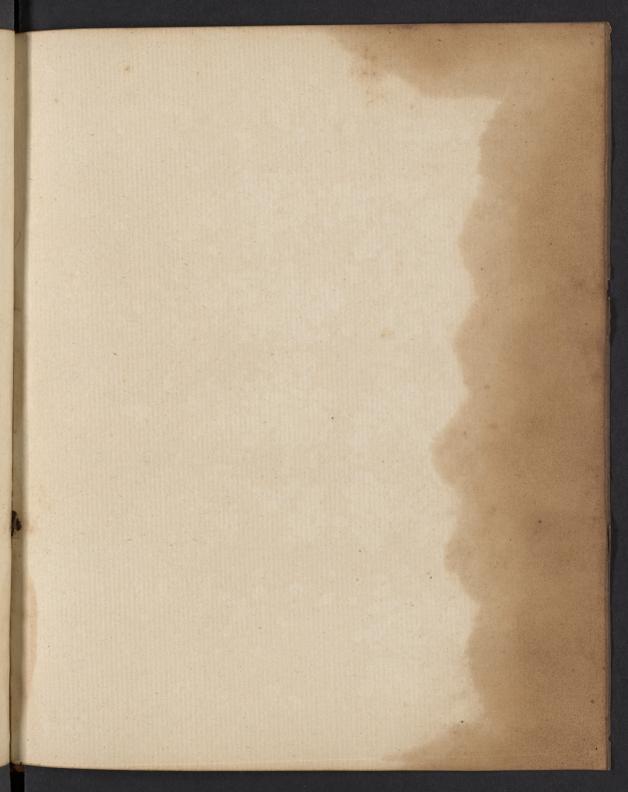


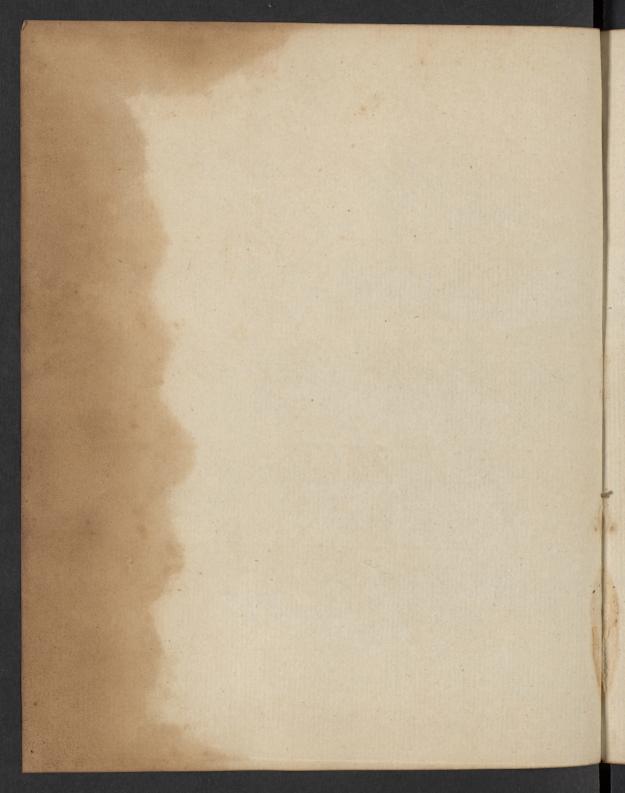


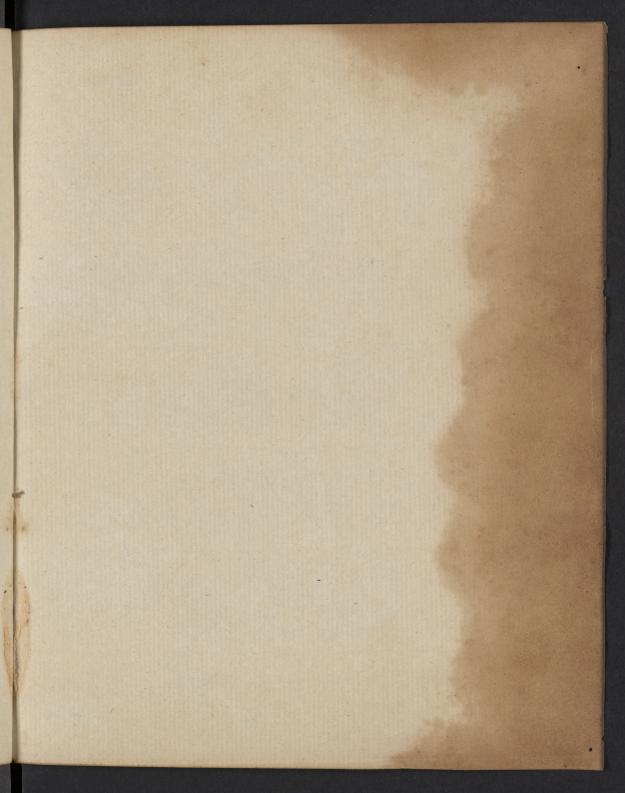


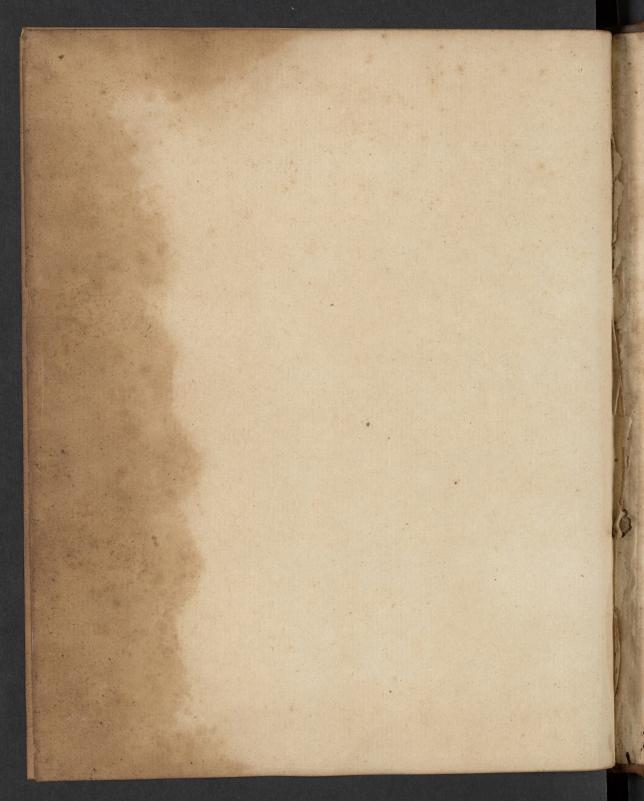












Sometimes &c Doct. Hartshorn. Thela delphiw De Hartshow Doctor Harls hours

